API Well Number: 43013523970000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3
AMENDED REPORT ☐

APPLICATION FOR PERMIT TO DRILL

1. WELL NAME and NUMBER Adelman 5-9C4	
2. TYPE OF WORK DRILL NEW WELL ● REENTER P&A WELL ○ DEEPEN WELL ○	**3. FIELD OR WILDCAT** ALTAMONT
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO	**5. UNIT or COMMUNITIZATION AGREEMENT NAME**
6. NAME OF OPERATOR EP ENERGY E&P COMPANY, L.P.	**7. OPERATOR PHONE** 713 997-5038
8. ADDRESS OF OPERATOR 1001 Louisiana, Houston, TX, 77002	**9. OPERATOR E-MAIL** maria.gomez@epenergy.com
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) Fee **11. MINERAL OWNERSHIP** FEDERAL ○ INDIAN ○ STATE ○ FEE ●	**12. SURFACE OWNERSHIP** FEDERAL ○ INDIAN ○ STATE ○ FEE ●
13. NAME OF SURFACE OWNER (if box 12 = 'fee') Selma L. Adelman	**14. SURFACE OWNER PHONE (if box 12 = 'fee')** 310-275-1582
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') 9255 Doheny Rd. No. 1402, Los Angeles, CA 90069	**16. SURFACE OWNER E-MAIL (if box 12 = 'fee')**
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN') **18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS** YES ○ (Submit Commingling Application) NO ●	**19. SLANT** VERTICAL ● DIRECTIONAL ○ HORIZONTAL ○

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	1900 FNL 900 FEL	SENE	9	3.0 S	4.0 W	U
Top of Uppermost Producing Zone	1900 FNL 900 FEL	SENE	9	3.0 S	4.0 W	U
At Total Depth	1900 FNL 900 FEL	SENE	9	3.0 S	4.0 W	U

21. COUNTY DUCHESNE	**22. DISTANCE TO NEAREST LEASE LINE (Feet)** 900	**23. NUMBER OF ACRES IN DRILLING UNIT** 640
	25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 2000	**26. PROPOSED DEPTH** MD: 12600 TVD: 12600
27. ELEVATION - GROUND LEVEL 6016	**28. BOND NUMBER** 400JU0708	**29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE** Ballard City/Roosevelt City

Hole, Casing, and Cement Information

String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Cond	20	13.375	0 - 600	54.5	J-55 ST&C	8.8	Class G	1292	1.15	15.8
Surf	12.25	9.625	0 - 2500	40.0	N-80 LT&C	9.5	Unknown	312	3.16	11.0
							Unknown	191	1.33	14.3
I1	8.75	7	0 - 9400	29.0	HCP-110 LT&C	10.6	Unknown	457	2.31	12.0
							Unknown	91	1.91	12.5
L1	6.125	5	9200 - 12600	18.0	P-110 ST-L	13.7	Unknown	201	1.47	14.2

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	☑ COMPLETE DRILLING PLAN
☑ AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	☐ FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
☐ DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	☑ TOPOGRAPHICAL MAP

NAME Maria S. Gomez	**TITLE** Principal Regulatory Analyst	**PHONE** 713 997-5038
SIGNATURE	**DATE** 08/21/2013	**EMAIL** maria.gomez@epenergy.com

API NUMBER ASSIGNED
43013523970000

APPROVAL

Permit Manager

RECEIVED: October 22, 2013

Adelman 5-9C4
Sec. 9, T3S, R4W
DUCHESNE COUNTY, UT

EP ENERGY E&P COMPANY, L.P.

DRILLING PROGRAM

1. **Estimated Tops of Important Geologic Markers**

Formation	Depth
Green River (GRRV)	4,433' TVD
Green River (GRTN1)	5,333' TVD
Mahogany Bench	6,233' TVD
L. Green River	7,433' TVD
Wasatch	9,433' TVD
T.D. (Permit)	12,600' TVD

2. **Estimated Depths of Anticipated Water, Oil, Gas or Mineral Formations:**

Substance	Formation	Depth
	Green River (GRRV)	4,433' MD / TVD
	Green River (GRTN1)	5,333' MD / TVD
	Mahogany Bench	6,233' MD / TVD
Oil	L. Green River	7,433' MD / TVD
Oil	Wasatch	9,433' MD / TVD

3. **Pressure Control Equipment:** (Schematic Attached)

A 4.5" by 20.0" rotating head on structural pipe from surface to 600' MD/TVD. A 4.5" by 13-3/8" Smith Rotating Head from 600' MD/TVD to 2,500' MD/TVD on Conductor. A 5M BOP stack, 5M kill lines and choke manifold used from 2,500' MD/TVD to 9,400' MD/TVD. A 10M BOE w/ rotating head, 5M annular, blind rams & mud cross from 9,400' MD/TVD to TD (12,600' MD/TVD).

The BOPE and related equipment will meet the requirements of the 5M and 10M system.

OPERATORS MINIMUM SPECIFICATIONS FOR BOPE:

The surface casing will be equipped with a flanged casing head of 5M psi working pressure. An 11" 5M x 11" 10M spool, 11" x 10M psi BOP and 5M psi annular will be nippled up on the surface casing and tested to 250 psi low test / 3,000 psi high test for 10 minutes each prior to drilling out. The surface casing will be tested to 1,000 psi. for 30 mins. Intermediate casing will be tested to the greater of 1,500 psi or 0.22 psi/ft. The choke manifold equipment, upper Kelly

RECEIVED: August 21, 2013

cock and floor safety valves will be tested to 5M psi. The annular preventer will be tested to 250 psi low test / 4,000 psi high test. The 10M BOP will be installed with 3-½" pipe rams, blind rams, mud cross and rotating head from intermediate shoe to TD. The BOPE will be hydraulically operated.

In addition, the BOP equipment will be tested after running intermediate casing, after any repairs to the equipment and at least once every 30 days. Pipe and blind rams will be activated on each trip, annular preventer will be activated weekly and weekly BOP drills will be held with each crew.

Statement on Accumulator System and Location of Hydraulic Controls:

Precision Rig # 404 is expected to be used to drill the proposed well. Operations will commence after approval of this application. Manual and/or hydraulic controls will be in compliance with 5M and 10M psi systems.

Auxiliary Equipment:

A) Pason Gas Monitoring 600' - TD
B) Mud logger with gas monitor – 2,500' to TD (12,600' MD/TVD)
C) Choke manifold with one manual and one hydraulic operated choke
D) Full opening floor valve with drill pipe thread
E) Upper and lower Kelly cock
F) Shaker, de-sander and centrifuge

4. **Proposed Casing & Cementing Program:**

Please refer to the attached Wellbore Diagram.
All casing will meet or exceed the following design safety factors:

- Burst = 1.00
- Collapse = 1.125
- Tension = 1.2 (including 100k# overpull)

Cement design calculations for intermediate and production hole will be based on minimum 10% excess over gauge hole volumes. Actual volumes pumped will be a minimum of 10% excess over caliper volume to designed tops of cement for any section logged. A minimum of 50% excess over gauge volume will be pumped on surface casing.

5. **Drilling Fluids Program:**

Proposed Mud Program:

Interval	Type	Mud Weight
Surface	WBM	8.8 – 9.5
Intermediate	WBM	9.5 – 10.6
Production	WBM	10.6 – 13.7

RECEIVED: August 21, 2013

Anticipated mud weights are based on actual offset well bottom-hole pressure data. Mud weights utilized may be somewhat higher to allow for trip margin and to provide hole stability for running logs and casing.

Visual mud monitoring equipment will be utilized.

6. **Evaluation Program**:

Logs:
Mud Log: 2,500' MD/TVD – TD (12,600' MD/TVD)
Open Hole Logs: Gamma Ray, Neutron-Density, Resistivity, Sonic, from surface casing shoe to TD.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 12,600' TVD equals approximately 8,976 psi. This is calculated based on a 0.7124 psi/ft gradient (13.7 ppg mud density at TD).

Maximum anticipated surface pressure equals approximately 6,204 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/ft).

Maximum anticipated surface pressure based on frac gradient at 7" casing shoe is 0.8 psi/ft at 9,400' TVD = 7,520 psi

BOPE and casing design will be based on the lesser of the two MASPs which is 6,204 psi.

8. **OPERATOR REQUESTS THAT THE PROPOSED WELL BE PLACED ON CONFIDENTIAL STATUS.**

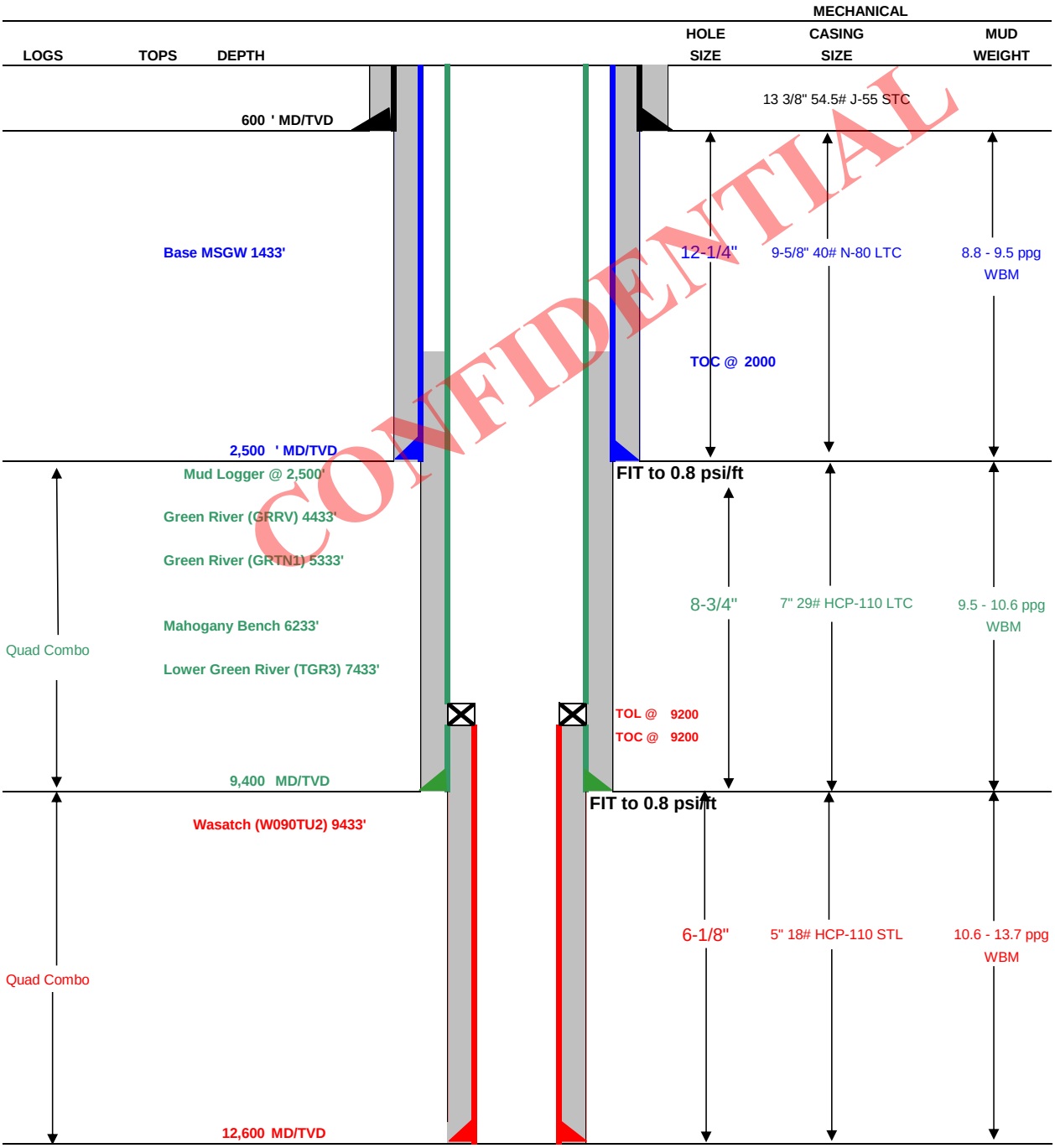
RECEIVED: August 21, 2013

EP ENERGY

Drilling Schematic

Company Name:	EP ENERGY	**Date:**	August 16, 2013
Well Name:	Adelman 5-9C4	**TD:**	12,600
Field, County, State:	Altamont, Duchesne, Utah	**AFE #:**	TBD
Surface Location:	Sec 9 T3S R4W 1900' FNL 900' FEL	**BHL:**	Straight Hole
Objective Zone(s):	Green River, Wasatch	**Elevation:**	6015.9
Rig:	Precision 404	**Spud (est.):**	TBD

BOPE Info: 4.5 x 13 3/8 rotating head from 600' to 2,500' 11 5M BOP stack and 5M kill lines and choke manifold used from 2,500' to 9,400' 11 10M BOE w/rotating head, 5M annular, 3.5 rams, blind rams & mud cross from 9,400' to TD



RECEIVED: August 21, 2013

DRILLING PROGRAM

CASING PROGRAM	SIZE	INTERVAL		WT.	GR.	CPLG.	BURST	COLLAPSE	TENSION
CONDUCTOR	13 3/8"	0	600	54.5	J-55	STC	2,740	1,130	514
SURFACE	9-5/8"	0	2500	40.00	N-80	LTC	5,750	3,090	737
INTERMEDIATE	7"	0	9400	29.00	HCP-110	LTC	11,220	9,750	797
PRODUCTION LINER	5'	9200	12600	18.00	HCP-110	STL	13,950	14,360	495

CEMENT PROGRAM		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
CONDUCTOR		600	Class G + 3% CACL2	1292	100%	15.8 ppg	1.15
SURFACE	Lead	2,000	EXTENDACEM (TM) SYSTEM: 5 lbm/sk Silicalite Compacted + 0.25 lbm/sk Kwik Seal + 0.125 lbm/sk Poly-E-Flake + 2% Bentonite	312	75%	11.0 ppg	3.16
	Tail	500	HALCEM (TM) SYSTEM: 3 lbm/sk Silicalite Compacted + 1% Salt + 0.3% Econolite + 0.25 lbm/sk Poly-E-Flake + 0.25 lbm/sk Kwik Seal + 0.5% HR-5	191	50%	14.3 ppg	1.33
INTERMEDIATE	Lead	6,400	EXTENDACEM (TM) SYSTEM: 4% Bentonite + 0.4% Econolite + 0.2% Halad(R)-322 + 3 lbm/sk Silicalite Compacted + 1.2% HR-5 + 0.125 lbm/sk Poly-E-Flake	457	10%	12.0 ppg	2.31
	Tail	1,000	EXPANDACEM (TM) SYSTEM: 0.2% Econolite + 0.3% Versaset + 0.9% HR-5 + 0.3% Super CBL + 0.2% Halad(R)-322 + 0.125 lbm/sk Poly-E-Flake	91	10%	12.5 ppg	1.91
PRODUCTION LINER		3,400	EXTENDACEM (TM) SYSTEM: 0.3% Super CBL + 0.1% SA-1015 + 0.3% Halad(R)-413 + 0.5% SCR-100 + 0.125 lbm/sk Poly-E-Flake + 3 lbm/sk Silicalite Compacted + 20% SSA-1	201	25%	14.20	1.47

FLOAT EQUIPMENT & CENTRALIZERS	
CONDUCTOR	PDC drillable guide shoe, 1 joint, PDC drillable float collar. Thread lock all float equipment. Install bow spring centralizers on the bottom 3 joints of casing.
SURFACE	PDC drillable guide shoe, 1 joint casing, PDC drillable float collar & Stage collar. Thread lock all float equipment. Install bow spring centralizers on the bottom 3 joints of casing & every 3rd joint thereafter.
INTERMEDIATE	PDC drillable 10M,P-110 float shoe, 1 joint, PDC drillable 10M, P-110 float collar. Thread lock all float equipment. Maker joint at 7,400'.
LINER	Float shoe, 1 joint, float collar. Thread lock all FE. Maker joints every 1000'.

PROJECT ENGINEER(S): Brad MacAfee 713-997-6383

MANAGER: Tommy Gaydos

RECEIVED: August 21, 2013

EP ENERGY E&P COMPANY, L.P.

ADELMAN 5-9C4

SECTION 9, T3S, R4W, U.S.B.&M.

PROCEED NORTH ON STATE ROAD 87 FROM THE INTERSECTION OF STATE ROAD 87 WITH US HIGHWAY 40 IN DUCHESNE, UTAH APPROXIMATELY 4.55 MILES TO AN INTERSECTION;

TURN RIGHT AND TRAVEL EASTERLY ON A COUNTY B ROAD 2.85 MILES TO THE BIGINNING OF THE ACCESS ROAD;

CONTINUE EASTERLY THEN NORTHERLY THEN WESTERLY FOLLOWING THE ROAD FLAGS 0.89 MILES TO THE PROPOSED LOCATION;

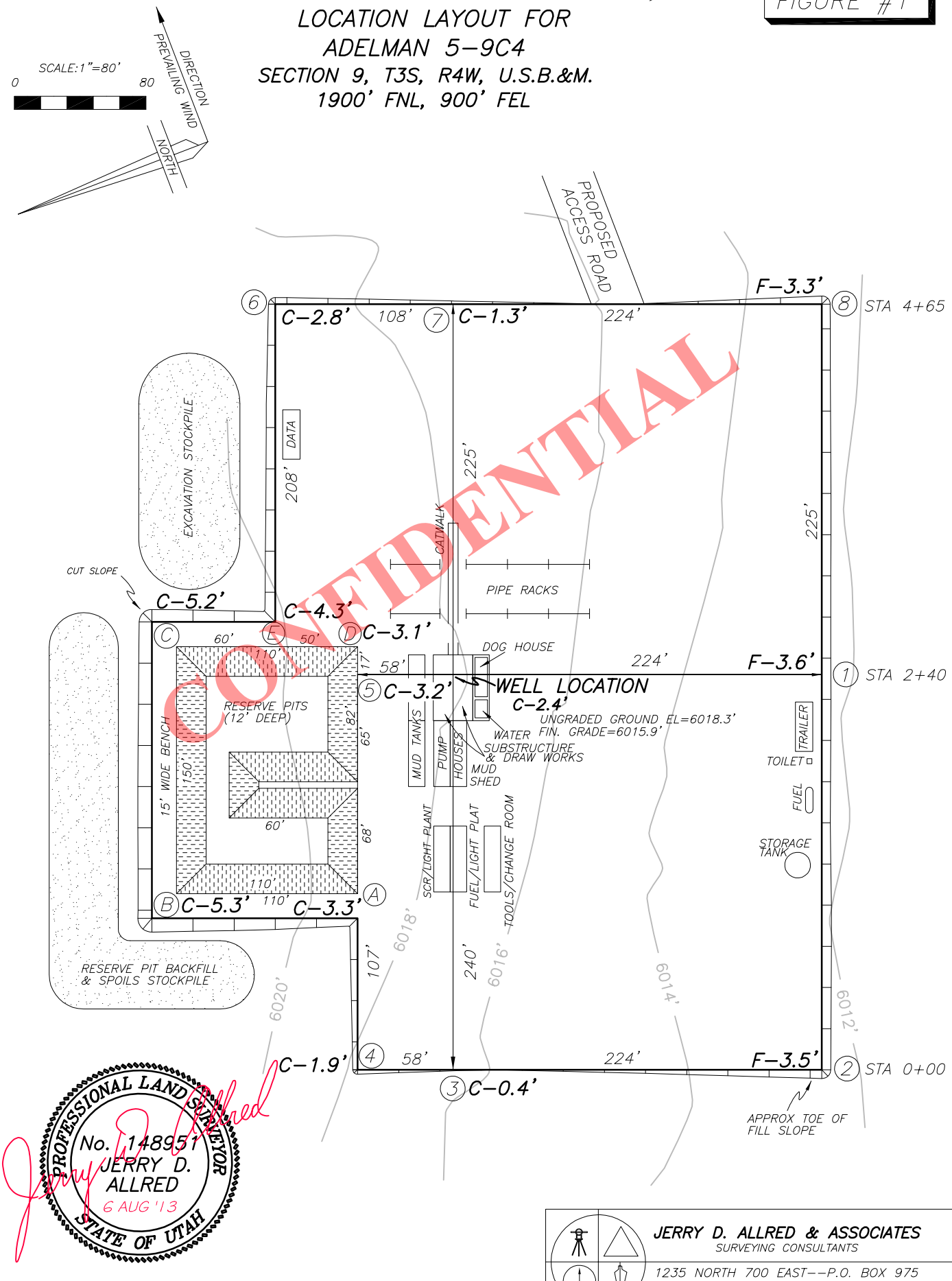
TOTAL DISTANCE FROM DUCHESNE, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 8.29 MILES.

RECEIVED: August 21, 2013

EP ENERGY E&P COMPANY, L.P.

FIGURE #1

LOCATION LAYOUT FOR
ADELMAN 5-9C4
SECTION 9, T3S, R4W, U.S.B.&M.
1900' FNL, 900' FEL



PROFESSIONAL LAND SURVEYOR
No. 148951
JERRY D. ALLRED
6 AUG '13
STATE OF UTAH

Jerry D. Allred

6 AUG 2013 01-128-431

JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS
1235 NORTH 700 EAST--P.O. BOX 975
DUCHESNE, UTAH 84021
(435) 738-5352

RECEIVED: August 21, 2013

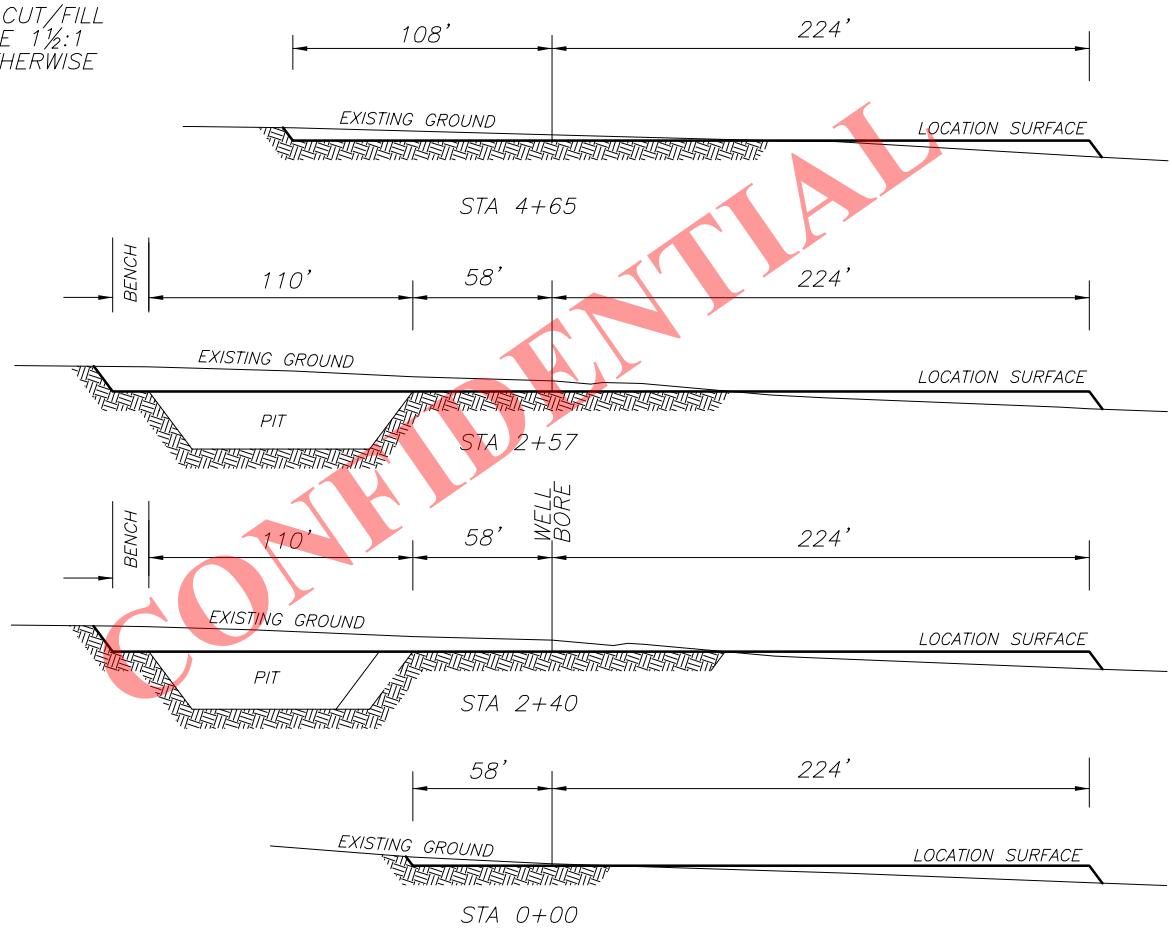
EP ENERGY E&P COMPANY, L.P.

FIGURE #2

LOCATION LAYOUT FOR
ADELMAN 5-9C4
SECTION 9, T3S, R4W, U.S.B.&M.
1900' FNL, 900' FEL

1"=40'
X-SECTION SCALE
1"=80'

NOTE: ALL CUT/FILL SLOPES ARE 1½:1 UNLESS OTHERWISE NOTED



APPROXIMATE YARDAGES

TOTAL CUT (INCLUDING PIT) = 14,978 CU. YDS.

PIT CUT	=	4955 CU. YDS.
TOPSOIL STRIPPING: (6")	=	3180 CU. YDS.
REMAINING LOCATION CUT	=	6843 CU. YDS

TOTAL FILL = 6843 CU. YDS.

LOCATION SURFACE GRAVEL=1653 CU. YDS. (4" DEEP)

ACCESS ROAD GRAVEL=184 CU. YDS.

PROFESSIONAL LAND SURVEYOR
No. 148951
JERRY D. ALLRED
6 AUG '13
STATE OF UTAH

Jerry D. Allred

JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS
1235 NORTH 700 EAST--P.O. BOX 975
DUCHESNE, UTAH 84021
(435) 738-5352

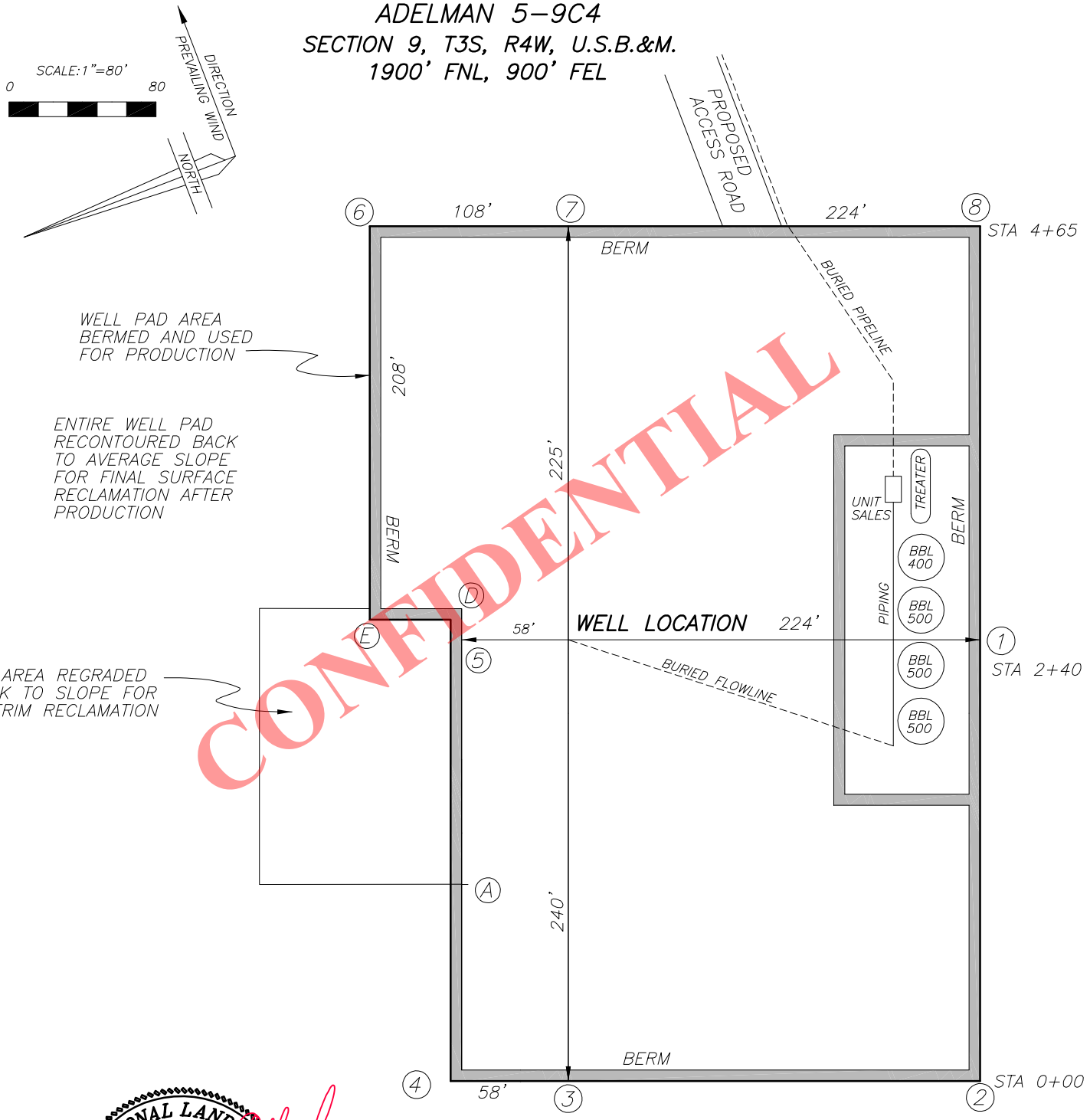
6 AUG 2013 01-128-431

RECEIVED: August 21, 2013

EP ENERGY E&P COMPANY, L.P.

FIGURE #3

LOCATION LAYOUT FOR
ADELMAN 5-9C4
SECTION 9, T3S, R4W, U.S.B.&M.
1900' FNL, 900' FEL



PROFESSIONAL LAND SURVEYOR
No. 148951
JERRY D. ALLRED
6 AUG '13
STATE OF UTAH

Jerry D. Allred

JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS
1235 NORTH 700 EAST--P.O. BOX 975
DUCHESNE, UTAH 84021
(435) 738-5352

6 AUG 2013 01-128-431

RECEIVED: August 21, 2013

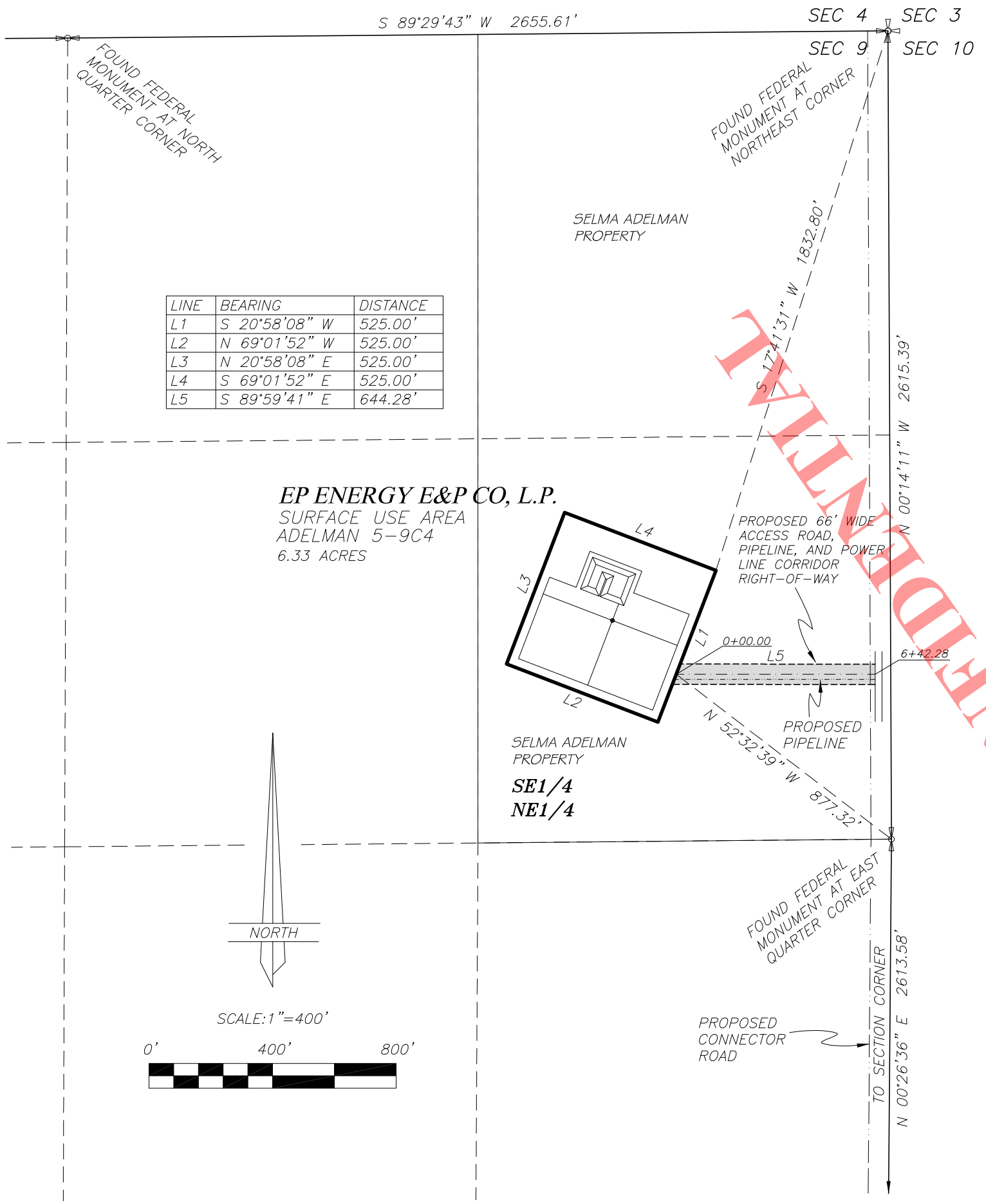
LOCATION USE AREA AND ACCESS ROAD, POWER LINE, AND PIPELINE CORRIDOR RIGHT-OF-WAY SURVEY FOR

EP ENERGY E&P COMPANY, L.P.

ADELMAN 5-9C4

SECTION 9, T3S, R4W, U.S.B.&M.

DUCHESNE COUNTY, UTAH



LINE	BEARING	DISTANCE
L1	S 20°58'08" W	525.00'
L2	N 69°01'52" W	525.00'
L3	N 20°58'08" E	525.00'
L4	S 69°01'52" E	525.00'
L5	S 89°59'41" E	644.28'

USE AREA BOUNDARY DESCRIPTION

Commencing at the Northeast Corner of Section 9, Township 3 South, Range 4 West of the Uintah Special Base and Meridian;
Thence South 17°41'31" West 1832.80 feet to the TRUE POINT OF BEGINNING;
Thence South 20°58'08" West 525.00 feet;
Thence North 69°01'52" West 525.00 feet;
Thence North 20°58'08" East 525.00 feet;
Thence South 69°01'52" East 525.00 feet to the TRUE POINT OF BEGINNING, containing 6.33 acres.

ACCESS ROAD, POWER LINE, AND PIPELINE CORRIDOR RIGHT-OF-WAY DESCRIPTION

A 66 feet wide access road, power line, and pipeline corridor right-of-way over portions of Section 9, Township 3 South, Range 4 West of the Uintah Special Base and Meridian, the centerline of said right-of-way being further described as follows:
Commencing at the East Quarter Corner of Section 9, Township 3 South, Range 4 West of the Uintah Special Base and Meridian;
Thence North 52°32'39" West 877.32 feet to the TRUE POINT OF BEGINNING, said point being on the East line of the EP Energy E&P Co. LLC, Adelman 5-9C4 well location use area boundary;
Thence South 89°59'41" East 644.28 feet to the East line of an existing road. Said right-of-way being 644.28 feet in length with the side lines being shortened or elongated to intersect said use area boundary.

SURVEYOR'S CERTIFICATE

This is to certify that this plat was prepared from the field notes and electronic data collector files of an actual survey made by me, or under my personal supervision, of the use area and access road, power line, and pipeline corridor right-of-way shown hereon, and that the monuments indicated were found or set during said survey, and that this plat accurately represents said survey to the best of my knowledge.

PROFESSIONAL LAND SURVEYOR
No. 148951
JERRY D. ALLRED
6 AUG '13
STATE OF UTAH

JERRY D. ALLRED, REGISTERED LAND SURVEYOR,
CERTIFICATE NO. 148951 (UTAH)

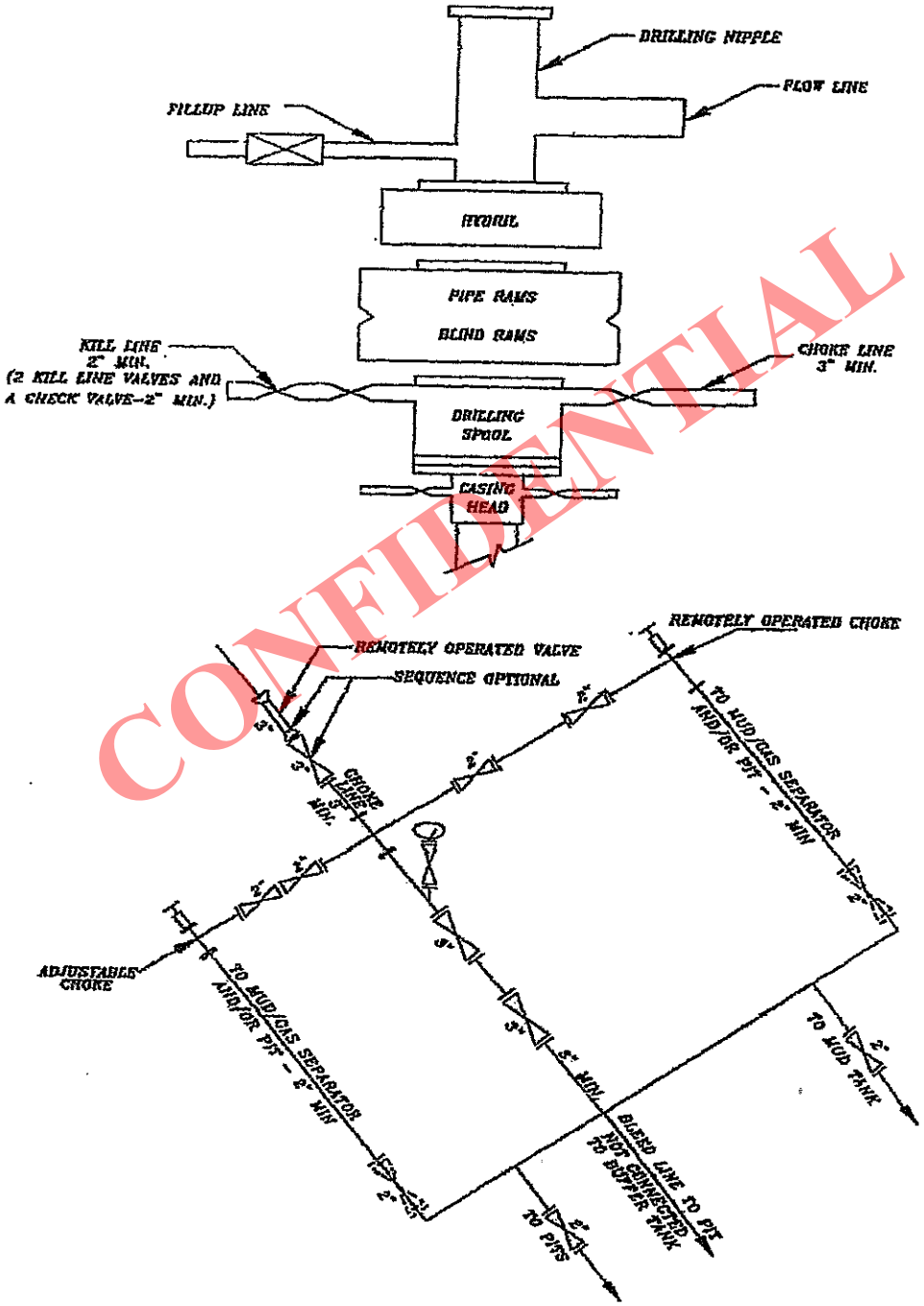
THIS SURVEY WAS PERFORMED USING GLOBAL POSITIONING SYSTEM PROCEDURES AND EQUIPMENT

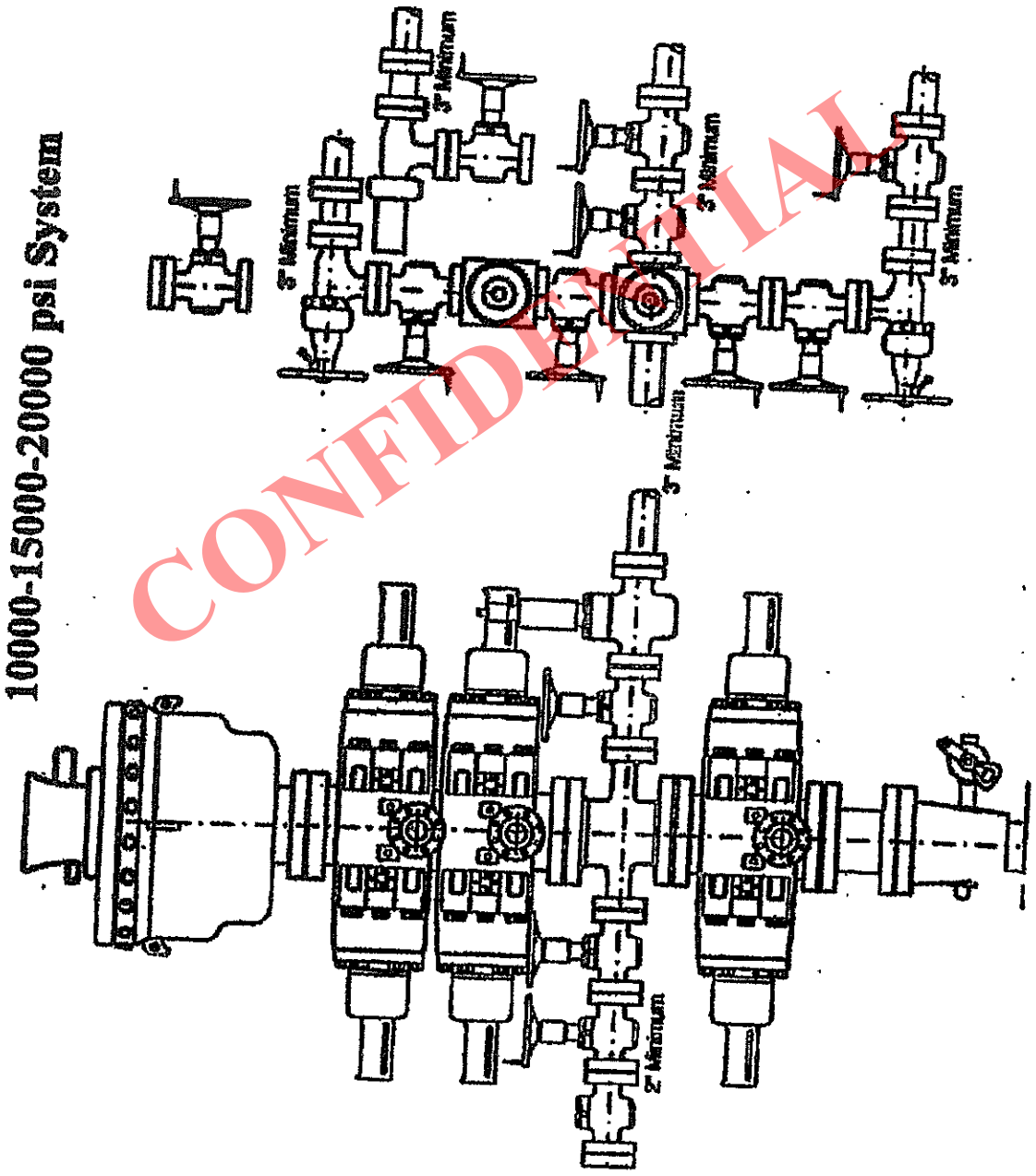
THE BASIS OF BEARINGS IS GEODETIC NORTH DERIVED FROM G.P.S. OBSERVATIONS AT THE SECTION CORNER LOCATED AT LAT. 40°15'22.90258"N AND LONG. 110°23'21.19760"W USING THE UTAH STATE G.P.S. VIRTUAL REFERENCE STATION CONTROL NETWORK MAINTAINED AND OPERATED BY THE AUTOMATED GEOGRAPHIC REFERENCE CENTER

6 AUG 2013 01-128-431

JERRY D. ALLRED AND ASSOCIATES
SURVEYING CONSULTANTS
1235 NORTH 700 EAST--P.O. BOX 975
DUCHESNE, UTAH 84021
(435) 738-5352

5M BOP STACK and CHOKE MANIFOLD SYSTEM

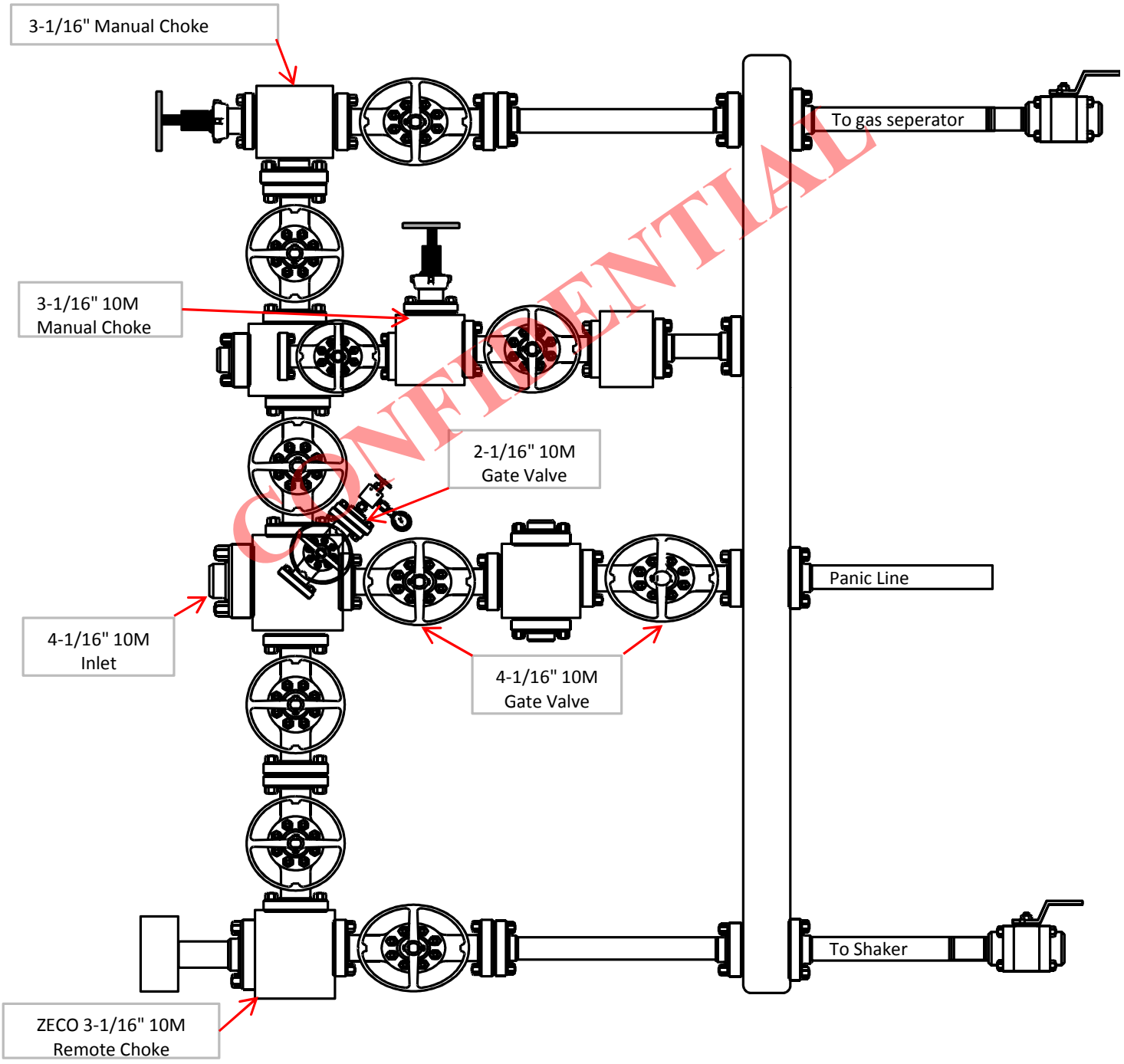




EP ENERGY

10M Choke Monifold Configuration
Well: Ute Tribal 2-14A3

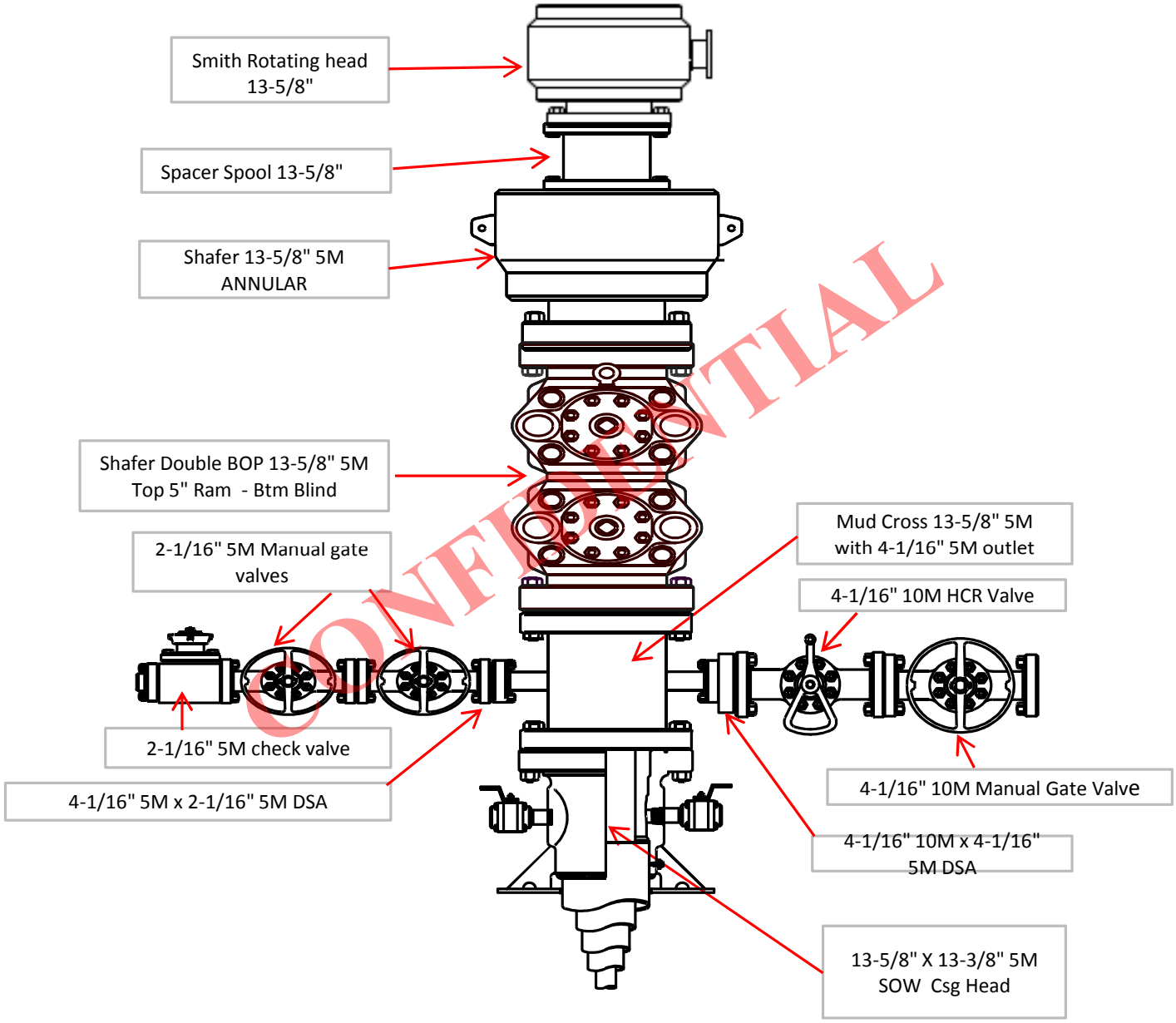
All valves on the Choke Manifold are 3-1/16" 10M except for those that are identified below.



RECEIVED: August 21, 2013

EP ENERGY

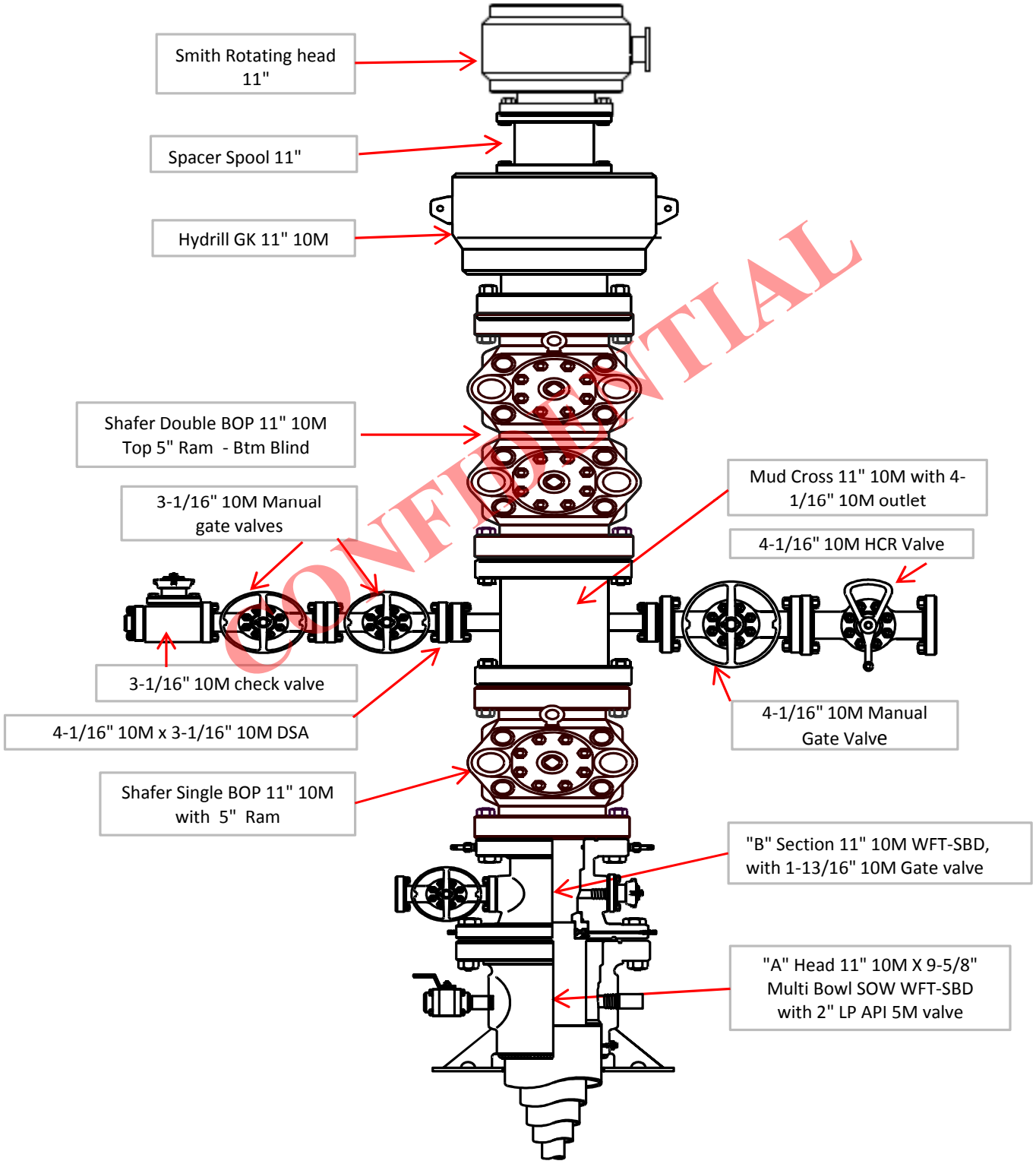
Surface 13-5/8" 5M BOP Configuration
Well: Ute Tribal 2-14A3



RECEIVED: August 21, 2013

EP ENERGY

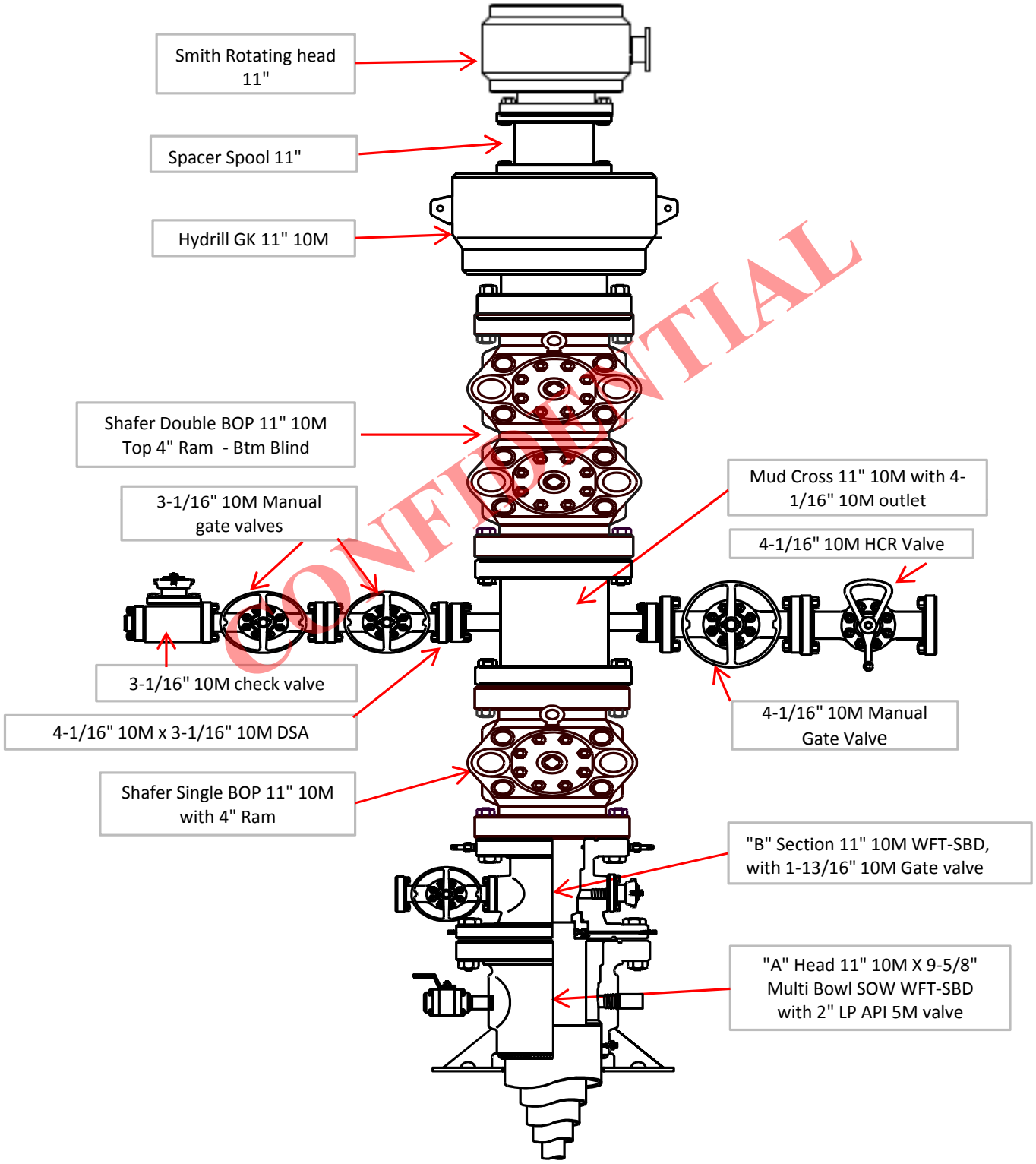
Intermediate 11" 10M BOP Configuration
Well: Ute Tribal 2-14A3



RECEIVED: August 21, 2013

EP ENERGY

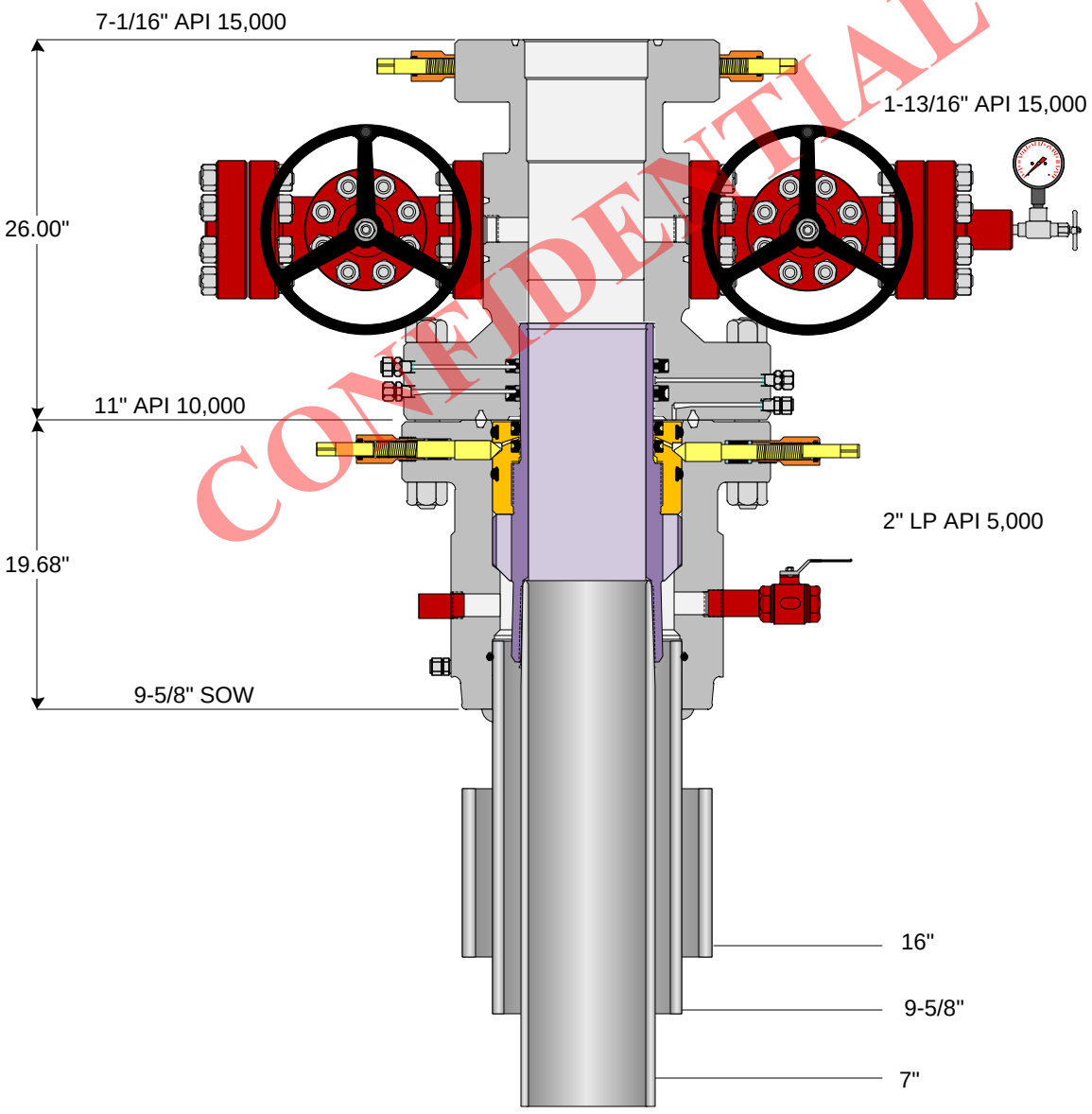
Production 11" 10M BOP Configuration
Well: Ute Tribal 2-14A3



RECEIVED: August 21, 2013

NOTE: THIS DRAWING IS NOT TO SCALE. THE DIMENSIONS REFLECTED ON THIS DRAWING ARE ESTIMATED DIMENSIONS AND ARE FOR REFERENCE ONLY.

WFT-SBD SYSTEM
PRODUCTION
PHASE



Weatherford®

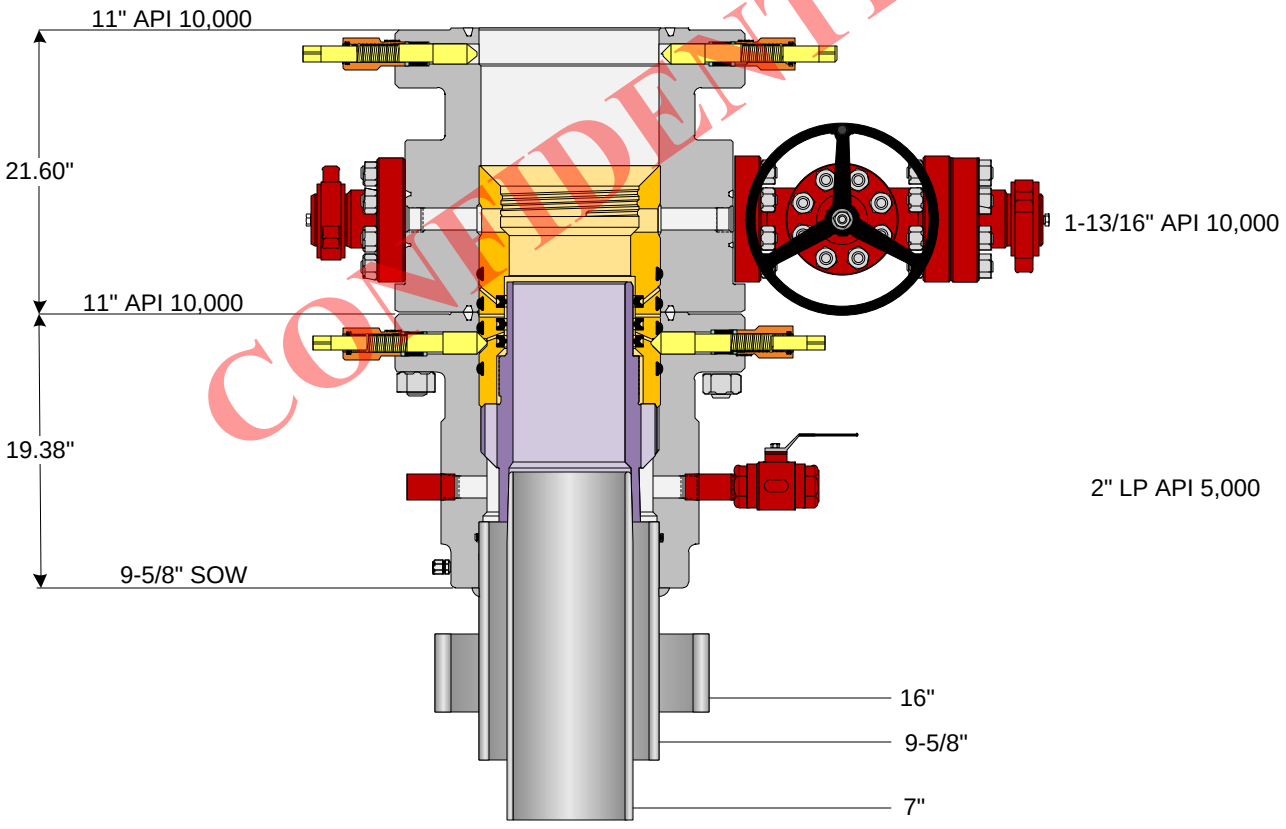
Customer:	EP ENERGY	Project No.:	75666	Quote No.:	161479
Project Name:	ALTAMONT FIELD - 11" SBD SYSTEM	Date:	02-24-2013	Drawn By:	RL

RECEIVED: August 21, 2013

API Well Number: 43013523970000

NOTE: THIS DRAWING IS NOT TO SCALE. THE DIMENSIONS REFLECTED ON THIS DRAWING ARE ESTIMATED DIMENSIONS AND ARE FOR REFERENCE ONLY.

WFT-SBD SYSTEM
DRILLING PHASE



Weatherford®

Customer:	EP ENERGY	Project No.:	75666	Quote No.:	161479
Project Name:	UTAH PROJECT – 11 IN WFT-SBD SYSTEM	Date:	02-23-2013	Drawn By:	RL

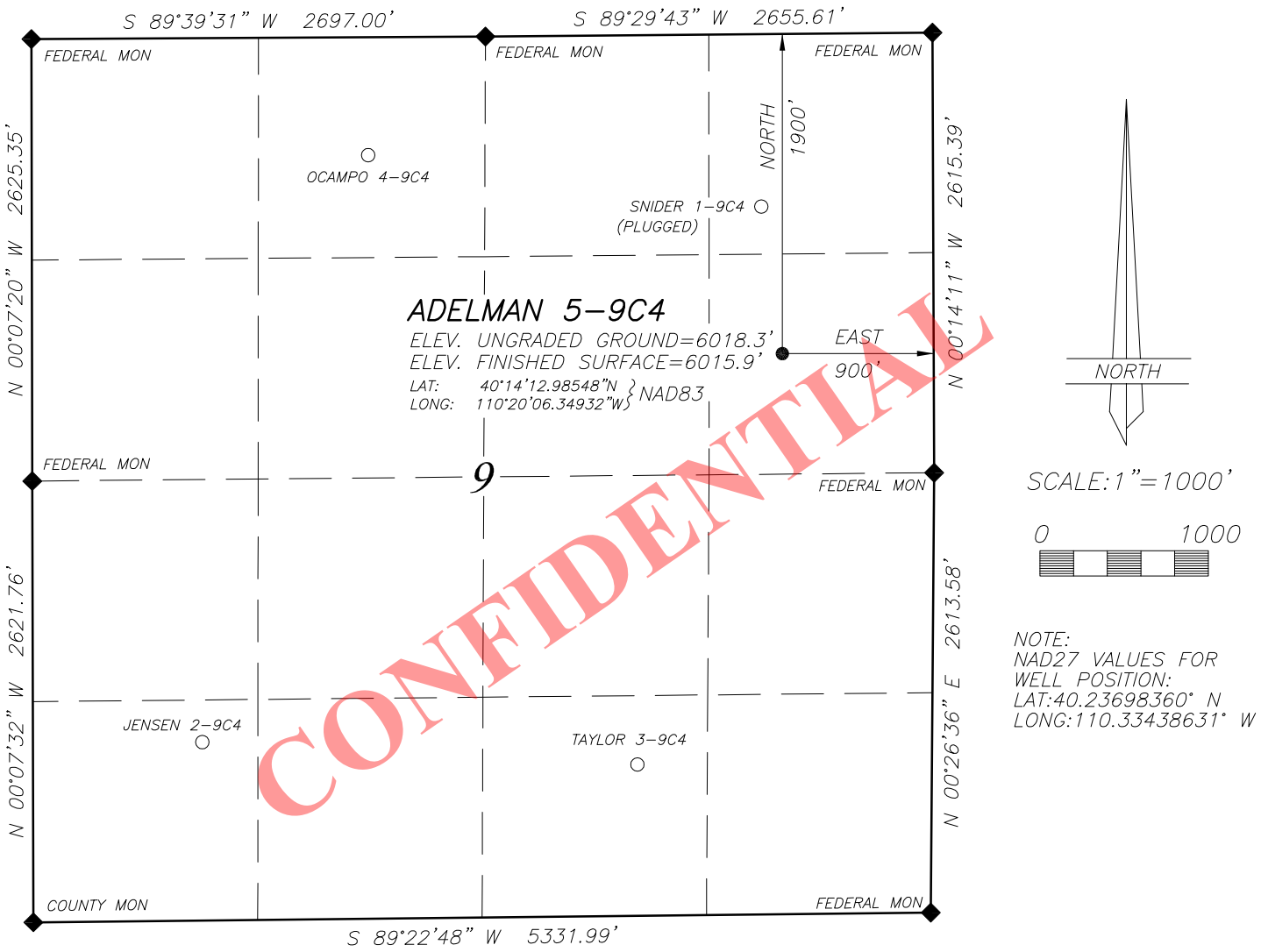
RECEIVED: August 21, 2013

EP ENERGY E&P COMPANY, L.P.

WELL LOCATION

ADELMAN 5-9C4

LOCATED IN THE SE¼ OF THE NE¼ OF SECTION 9, T3S, R4W, U.S.B.&M. DUCHESNE COUNTY, UTAH



NOTE:
NAD27 VALUES FOR WELL POSITION:
LAT:40.23698360° N
LONG:110.33438631° W

LEGEND AND NOTES

◆ CORNER MONUMENTS FOUND AND USED BY THIS SURVEY

THE GENERAL LAND OFFICE (G.L.O.) PLAT WAS USED FOR REFERENCE AND CALCULATIONS AS WAS THE U.S.G.S. MAP

THIS SURVEY WAS PERFORMED USING GLOBAL POSITIONING SYSTEM PROCEDURES AND EQUIPMENT

THE BASIS OF BEARINGS IS GEODETIC NORTH DERIVED FROM G.P.S. OBSERVATIONS AT THE SECTION CORNER LOCATED AT LAT. 40°15'22.90258"N AND LONG. 110°23'21.19760"W USING THE UTAH STATE G.P.S. VIRTUAL REFERENCE STATION CONTROL NETWORK MAINTAINED AND OPERATED BY THE AUTOMATED GEOGRAPHIC REFERENCE CENTER

BASIS OF ELEVATIONS: NAVD 88 DATUM USING THE UTAH REFERENCE NETWORK CONTROL SYSTEM

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED FROM THE FIELD NOTES AND ELECTRONIC DATA COLLECTOR FILES OF AN ACTUAL SURVEY PERFORMED BY ME, OR UNDER MY PERSONAL SUPERVISION, DURING WHICH THE SHOWN MONUMENTS WERE FOUND OR REESTABLISHED.

PROFESSIONAL LAND SURVEYOR
No. 148951
JERRY D. ALLRED
6 AUG '13
STATE OF UTAH

Jerry D. Allred

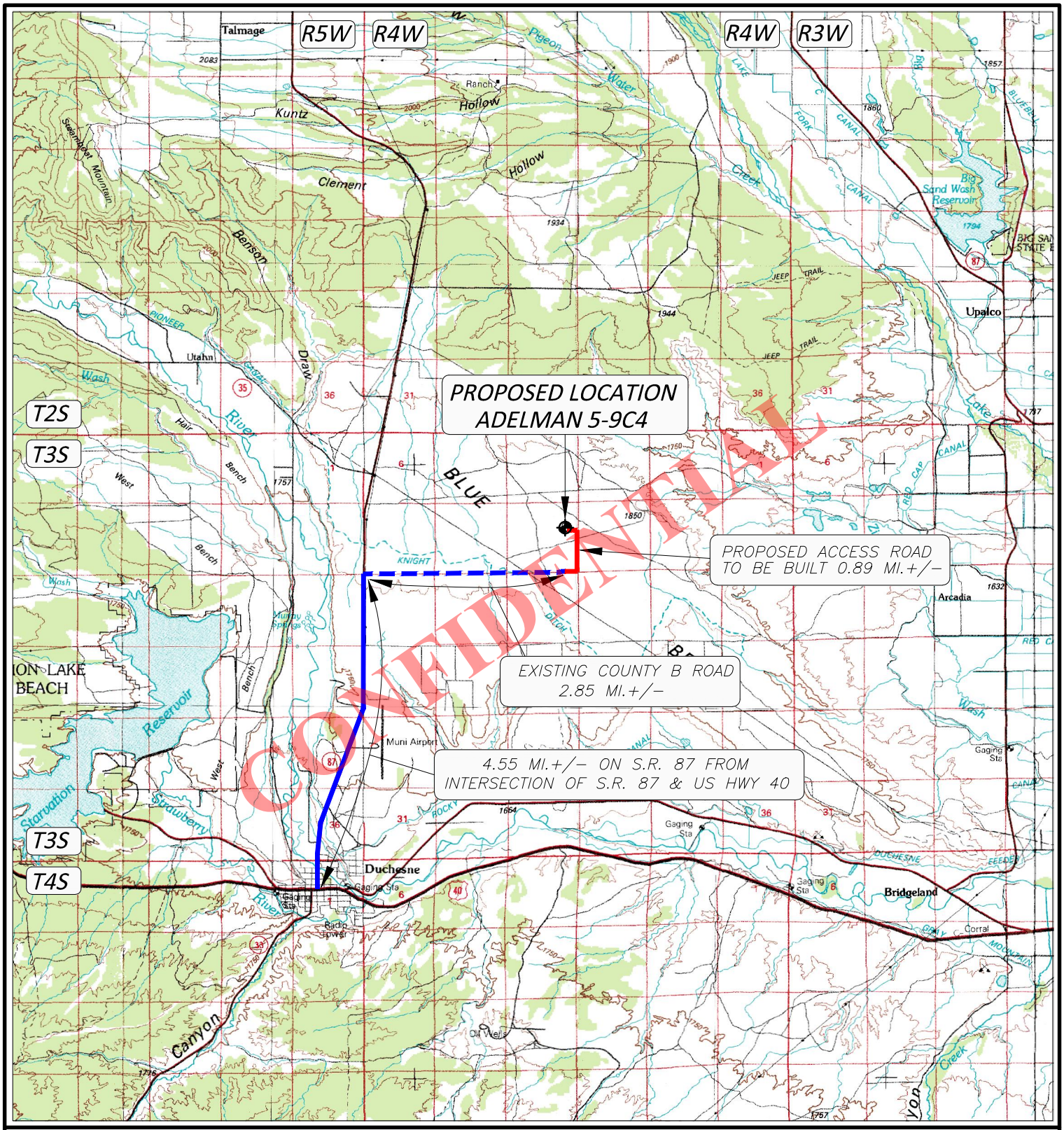
JERRY D. ALLRED, REGISTERED LAND SURVEYOR, CERTIFICATE NO. 148951 (UTAH)

JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS
1235 NORTH 700 EAST--P.O. BOX 975
DUCHESNE, UTAH 84021
(435) 738-5352

6 AUG 2013 01-128-431

RECEIVED: August 21, 2013

API Well Number: 43013523970000



LEGEND:

PROPOSED WELL LOCATION

01-128-431

JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS

1235 NORTH 700 EAST--P.O. BOX 975
DUCHESNE, UTAH 84021
(435) 738-5352

NORTH

EP ENERGY E&P COMPANY, L.P.

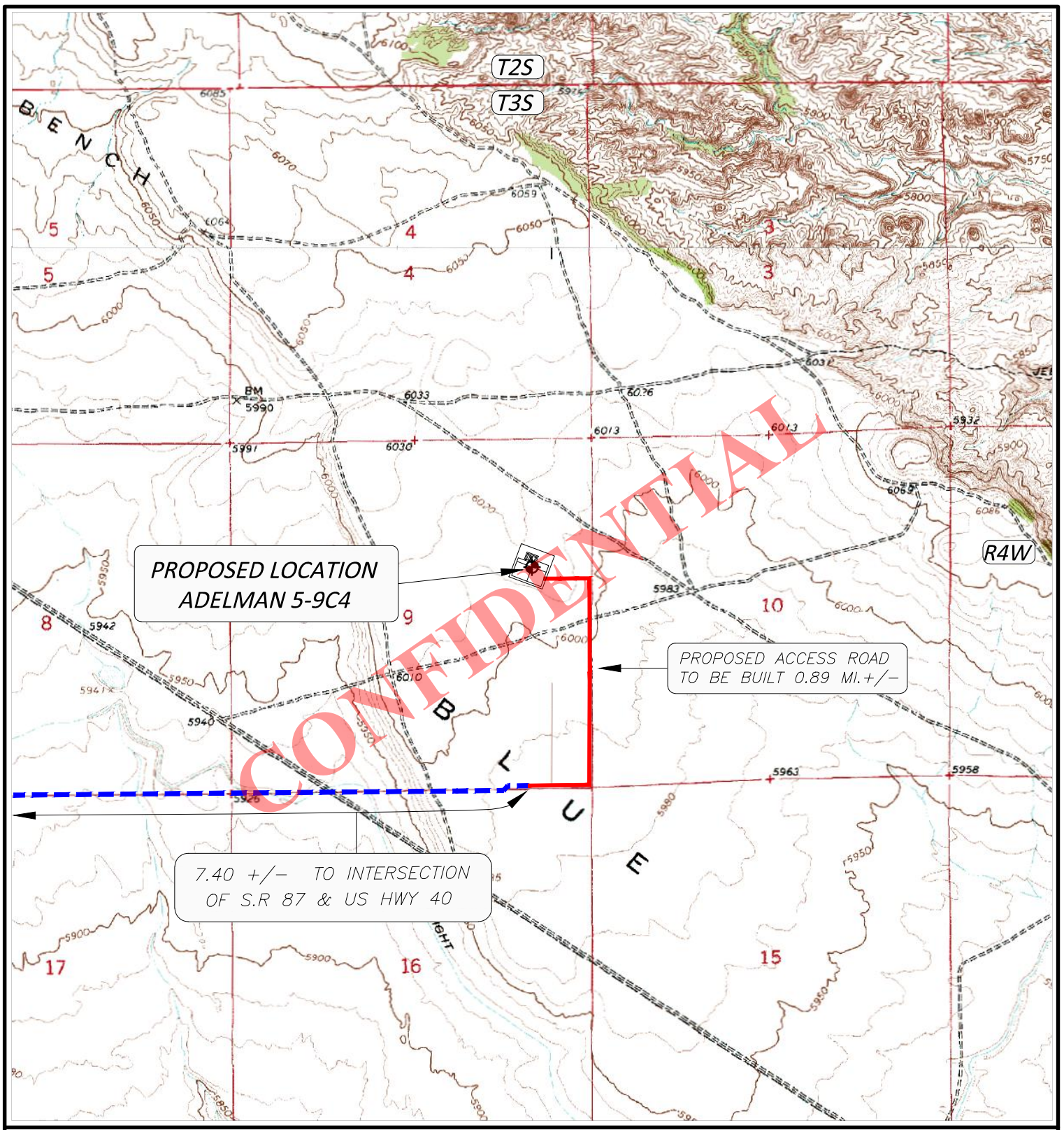
ADELMAN 5-9C4
SECTION 9, T3S, R4W, U.S.B.&M.
1900' FNL 900' FEL

TOPOGRAPHIC MAP "A"

SCALE; 1"=10,000'
7 AUG 2013

RECEIVED: August 21, 2013

API Well Number: 43013523970000



LEGEND:

- PROPOSED WELL LOCATION
- PROPOSED ACCESS ROAD
- EXISTING GRAVEL ROAD
- EXISTING PAVED ROAD

01-128-431

JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS
1235 NORTH 700 EAST--P.O. BOX 975
DUCHESNE, UTAH 84021
(435) 738-5352

NORTH

EP ENERGY E&P COMPANY, L.P.

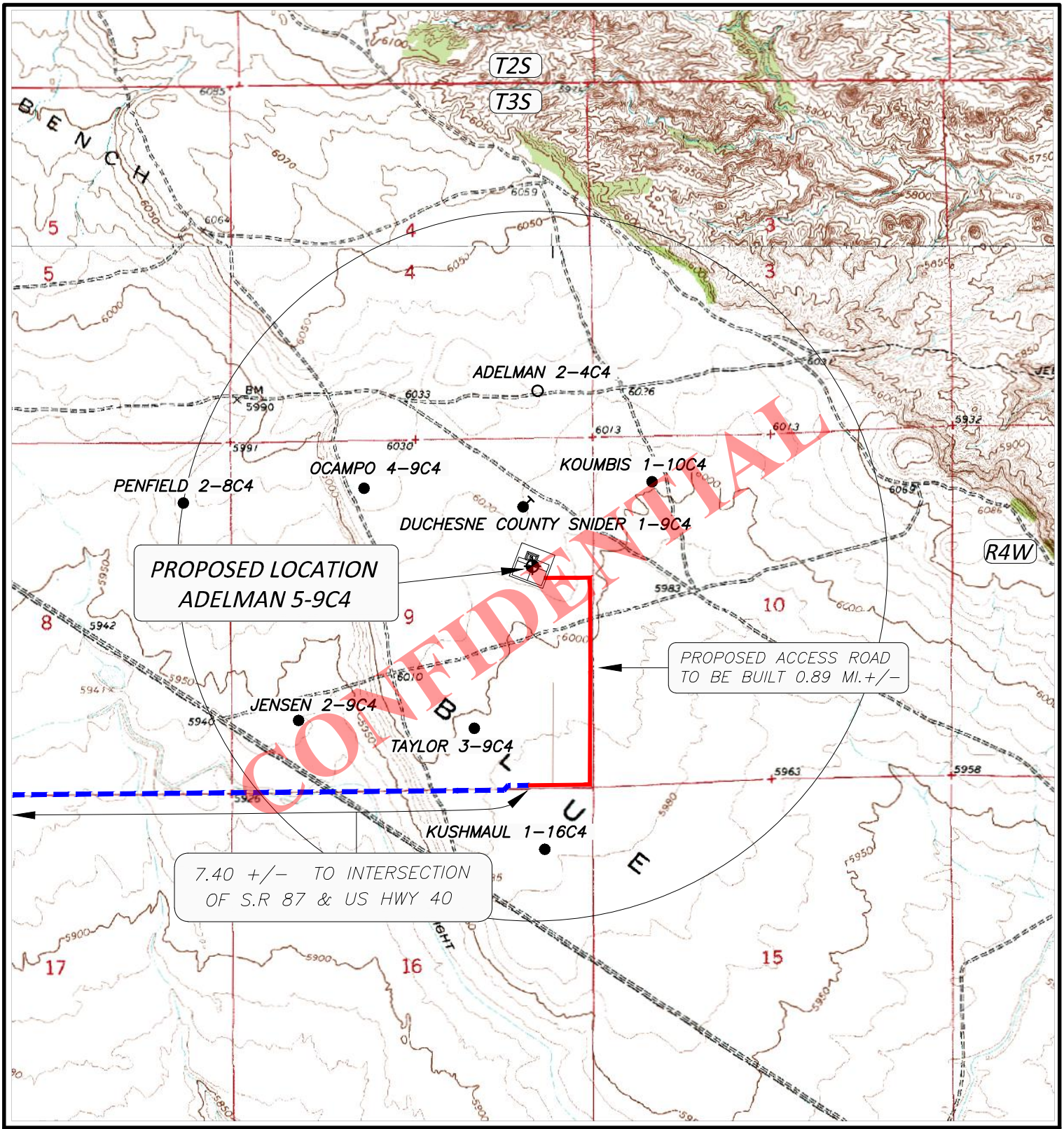
ADELMAN 5-9C4
SECTION 9, T3S, R4W, U.S.B.&M.
1900' FNL 900' FEL

TOPOGRAPHIC MAP "B"

SCALE; 1"=2000'
7 AUG 2013

RECEIVED: August 21, 2013

API Well Number: 43013523970000



LEGEND:

PROPOSED WELL LOCATION

2-25C6

01-128-431

JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS
1235 NORTH 700 EAST--P.O. BOX 975
DUCHESNE, UTAH 84021
(435) 738-5352

NORTH

EP ENERGY E&P COMPANY, L.P.

ADELMAN 5-9C4
SECTION 9, T3S, R4W, U.S.B.&M.
1900' FNL 900' FEL

TOPOGRAPHIC MAP "C"

SCALE; 1"=2000'
7 AUG 2013

RECEIVED: August 21, 2013

AFFIDAVIT OF DAMAGE SETTLEMENT AND RELEASE

Michael J. Walcher personally appeared before me, and, being duly sworn, deposes and says:

1. My name is Michael J. Walcher. I am a Sr. Staff Landman for EP Energy E&P Company, L.P., whose address is 1001 Louisiana St., Houston, Texas 77002 ("EP Energy").
2. EP Energy is the operator of the proposed Adelman 5-9C4 well (the "Well") to be located in the SE/4 NE/4 of Section 9, Township 3 South, Range 4 West, USM, Duchesne County, Utah (the "Drillsite Location"). The surface owner of the Drillsite Location is Selma L. Adelman, whose address is 9255 Doheny Rd. No. 1402 Los Angeles, California 90069 (the "Surface Owner"). The Surface Owner's telephone number is (310) 275-1582.
3. EP Energy and the Surface Owner have entered into a Damage Settlement and Release Agreement dated June 25, 2013 to cover any and all injuries or damages of every character and description sustained by the Surface Owner or Surface Owner's property as a result of operations associated with the drilling of the Well.

FURTHER AFFIANT SAYETH NOT.

Michael J. Walcher

ACKNOWLEDGMENT

STATE OF TEXAS §
§
CITY AND COUNTY OF HARRIS §

Before me, a Notary Public, in and for this state, on this ~~20th~~ 2nd day of ~~June,~~ July 2013, personally appeared Michael J. Walcher, to me known to be the identical person who executed the within and foregoing instrument, and acknowledged to me that he executed the same as his own free and voluntary act and deed for the uses and purposes therein set forth.

NOTARY PUBLIC

My Commission Expires:

GINGER M CEARLEY
NOTARY PUBLIC, STATE OF TEXAS
MY COMMISSION EXPIRES
AUG. 2, 2014

Application for Permit to Drill – State DOGM
Adelman 5-9C4
Duchesne County, Utah

EP Energy E&P Company, L.P.

Related Surface Information

1. **Current Surface Use:**
   - Livestock Grazing and Oil and Gas Production.

2. **Proposed Surface Disturbance:**
   - The road will be crown and ditch. Water wings will be constructed on the access road as needed.
   - The topsoil will be windrowed and re-spread in the borrow area.
   - New road to be constructed will be approximately .89 miles in length and 66 feet wide.
   - All equipment and vehicles will be confined to the access road, pad and area specified in the APD.

3. **Location Of Existing Wells:**
   - Existing oil, gas wells within one (1) mile radius of proposed well are provided in EXHIBIT C.

4. **Location And Type Of Drilling Water Supply:**
   - Drilling water: Duchesne City Water

5. **Existing/Proposed Facilities For Productive Well:**
   - There are no existing facilities that will be utilized for this well.
   - A pipeline corridor .89 miles will parallel the proposed access road. The corridor will contain one 4 inch gas line and one 2 inch gas line and one 2 inch Salt Water disposal line. Rehabilitation of unneeded, previously disturbed areas will consist of backfilling and contouring the reserve pit area; backsloping and contouring all cut and fill slopes. These areas will be reseeded. Refer to plans for reclamation of surface for details.
   - Upgrade and maintain access roads and drainage control structures (e.g., culverts, drainage dips, ditching, etc.) as necessary to prevent soil erosion and accommodate safe, year-round traffic.

6. **Construction Materials:**
   - Native soil from road and location will be used for construction materials along with gravel and/or scoria road base material. In the event that conditions should necessitate graveling of all or part of the access road and location, surfacing materials will be purchased from commercial suppliers in the marketing area.

7. **Methods For Handling Waste Disposal:**
   - The reserve pit will be designed to prevent the collection of surface runoff and will be constructed with a minimum of ½ the total depth below the original ground surface on the lowest point with the pit. The pit will be lined with a 20-mil polyethylene to prevent leakage of fluids. The liner will be rolled into place and secured at the ends, i.e. buried on top of the pit berms. Prior to use, the reserve pit will be fenced on three sides; the fourth side will be fenced at the time the rig is removed. Drilling fluids, cuttings and produced water will be contained in the reserve pit (trash will be place in the trash cage). Fluids in the reserve pit will be allowed to evaporate prior to pit burial.
   - Garbage and other trash will be contained in the portable trash cage and hauled off the location to an authorized disposal site. Any trash on the pad will be cleaned up prior to the rig moving off location and hauled to an authorized disposal site.
   - Sewage will be handled in Portable Toilets.
   - Produced water will be placed in the reserve pit for a period not to exceed ninety days after initial production. Any hydrocarbons produced during completion work will be contained in test tanks and removed from the location at a later date.
   - Water from the reserve pit may be used for drilling of additional wells. The water will be trucked along access roads as approved in pertinent APD's

8. **Ancillary Facilities:**
   - There will be no ancillary facilities associated with this project.

RECEIVED: August 21, 2013

9. **Surface Reclamation Plans:**

Backfilling of the pits will be done when dry. In the event of a dry hole, the location will be re-contoured, the topsoil will be distributed evenly over the entire location, and the seedbed prepared.

- Seed will be planted after September 15th, and prior to ground frost, or seed will be planted after the frost has left and before May 15th. Slopes to steep for machinery will be hand broadcast and raked with twice the specified amount of seed.

    1. The construction program and design are on the attached cut, fill and cross sectional diagrams.
    2. Prior to construction, all topsoil will be removed from the entire site and stockpiled. Topsoil for this site is the first 6 inches of soil materials.
    3. After the location has been reshaped and after redistributing the topsoil, the operator will rip and scarify the drilling platform and access road on the contour, to a depth of at least 12 inches.

- Rehabilitation will begin upon the completion of the drilling. Complete rehabilitation will depend on weather conditions and the amount of time required to dry the reserve pit.

    1. All rehabilitation work including seeding will be completed as soon as weather and the reserve pit conditions are appropriate.
    2. Landowner will be contacted for rehabilitation requirements.

10. **Surface Ownership:**

Selma L. Adelman
9255 Doheny Rd, No. 1402
Los Angeles, California 90069
310-275-1582

Other Information:

- The surface soil consists of clay, and silt.
- Flora – vegetation consists of the following: Sagebrush, Juniper and prairie grasses.
- Fauna – antelope, deer, coyotes, raptors, small mammals, and domestic grazing animals.
- Current surface uses – Livestock grazing and mineral exploration and production.

- **Operator and Contact Persons:**

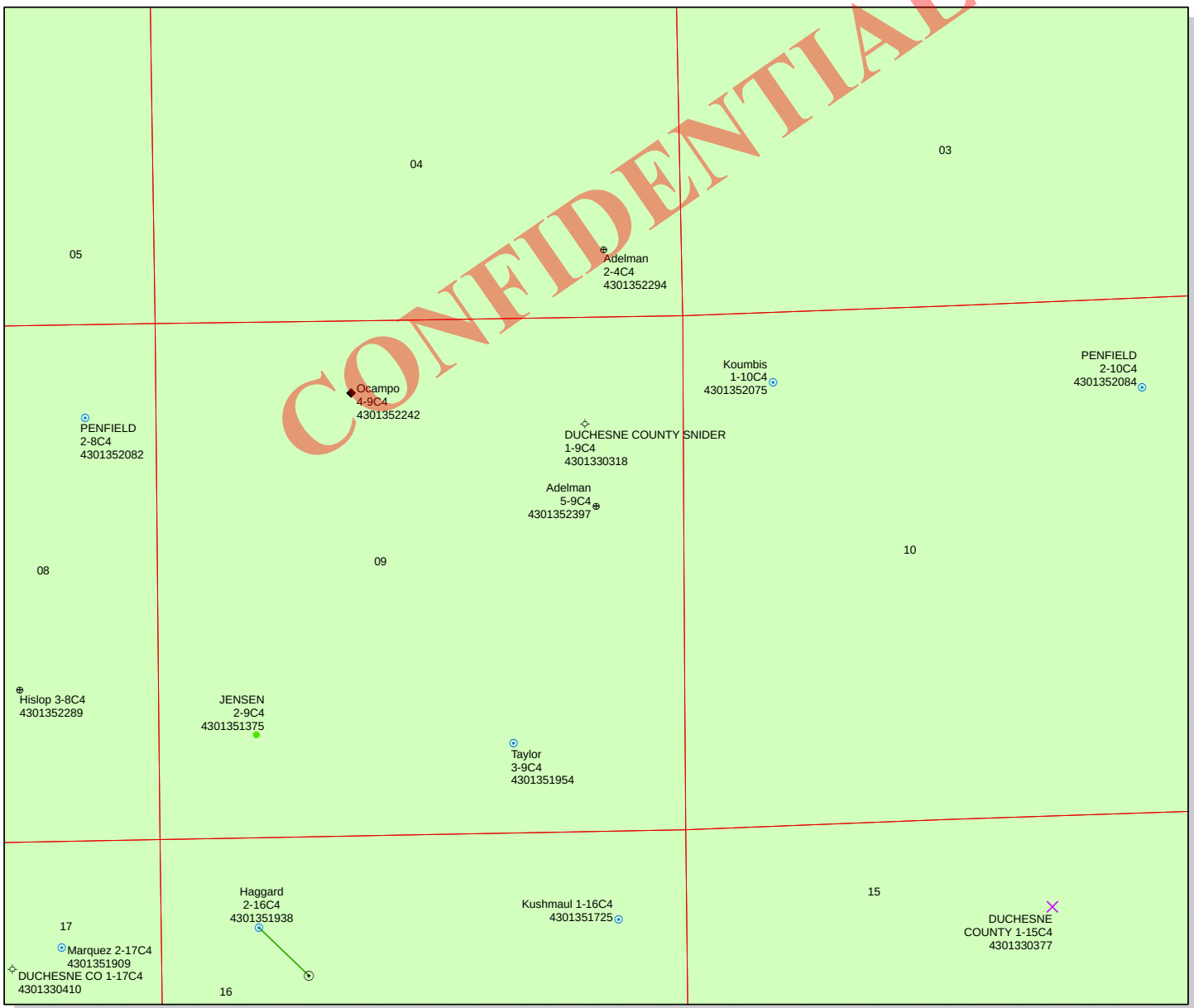
Construction and Reclamation:
EP Energy E&P Company, L.P.
Wayne Garner
PO Box 410
Altamont, Utah 84001
435-454-3394 – Office
435-823-1490 – Cell

Regarding This APD
EP Energy E&P Company, L.P.
Maria S. Gomez
1001 Louisiana, Rm 2730D
Houston, Texas 77002
713-997-5038 – Office

Drilling
EP Energy E&P Company, L.P.
Brad MacAfee – Drilling Engineer
1001 Louisiana, Rm 2660D
Houston, Texas 77002
713-997-6383 – office
281-813-0902 – Cell

RECEIVED: August 21, 2013

API Well Number: 43013523970000



API Number: 4301352397

Well Name: Adelman 5-9C4

Township T03.0S Range R04.0W Section 09

Meridian: UBM

Operator: EP ENERGY E&P COMPANY, L.P.

Map Prepared:
Map Produced by Diana Mason

Units

STATUS

- ACTIVE
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

1,300 650 0 1,300 Feet

1:12,515

RECEIVED: August 23, 2013

API Well Number: 43013523970000

BOPE REVIEW EP ENERGY E&P COMPANY, L.P. Adelman 5-9C4 43013523970000

Well Name	EP ENERGY E&P COMPANY, L.P. Adelman 5-9C4 43013523970000			
String	Cond	Surf	I1	L1
Casing Size(")	13.375	9.625	7.000	5.000
Setting Depth (TVD)	600	2500	9400	12600
Previous Shoe Setting Depth (TVD)	0	600	2500	9400
Max Mud Weight (ppg)	8.8	9.5	10.6	13.7
BOPE Proposed (psi)	1000	1000	5000	10000
Casing Internal Yield (psi)	2730	5750	11220	13940
Operators Max Anticipated Pressure (psi)	8976			13.7

Calculations	Cond String	13.375	"	
Max BHP (psi)	.052*Setting Depth*MW=	275		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	203	YES	rotating head on structural pipe
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	143	YES	OK
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	143	NO	OK
Required Casing/BOPE Test Pressure=		600	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi	*Assumes 1psi/ft frac gradient

Calculations	Surf String	9.625	"	
Max BHP (psi)	.052*Setting Depth*MW=	1235		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	935	YES	Smith rotating head
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	685	YES	OK
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	817	NO	OK
Required Casing/BOPE Test Pressure=		2500	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		600	psi	*Assumes 1psi/ft frac gradient

Calculations	I1 String	7.000	"	
Max BHP (psi)	.052*Setting Depth*MW=	5181		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	4053	YES	5M BOPE, 5M kill lines & choke manifold
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	3113	YES	OK
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	3663	NO	OK
Required Casing/BOPE Test Pressure=		7854	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		2500	psi	*Assumes 1psi/ft frac gradient

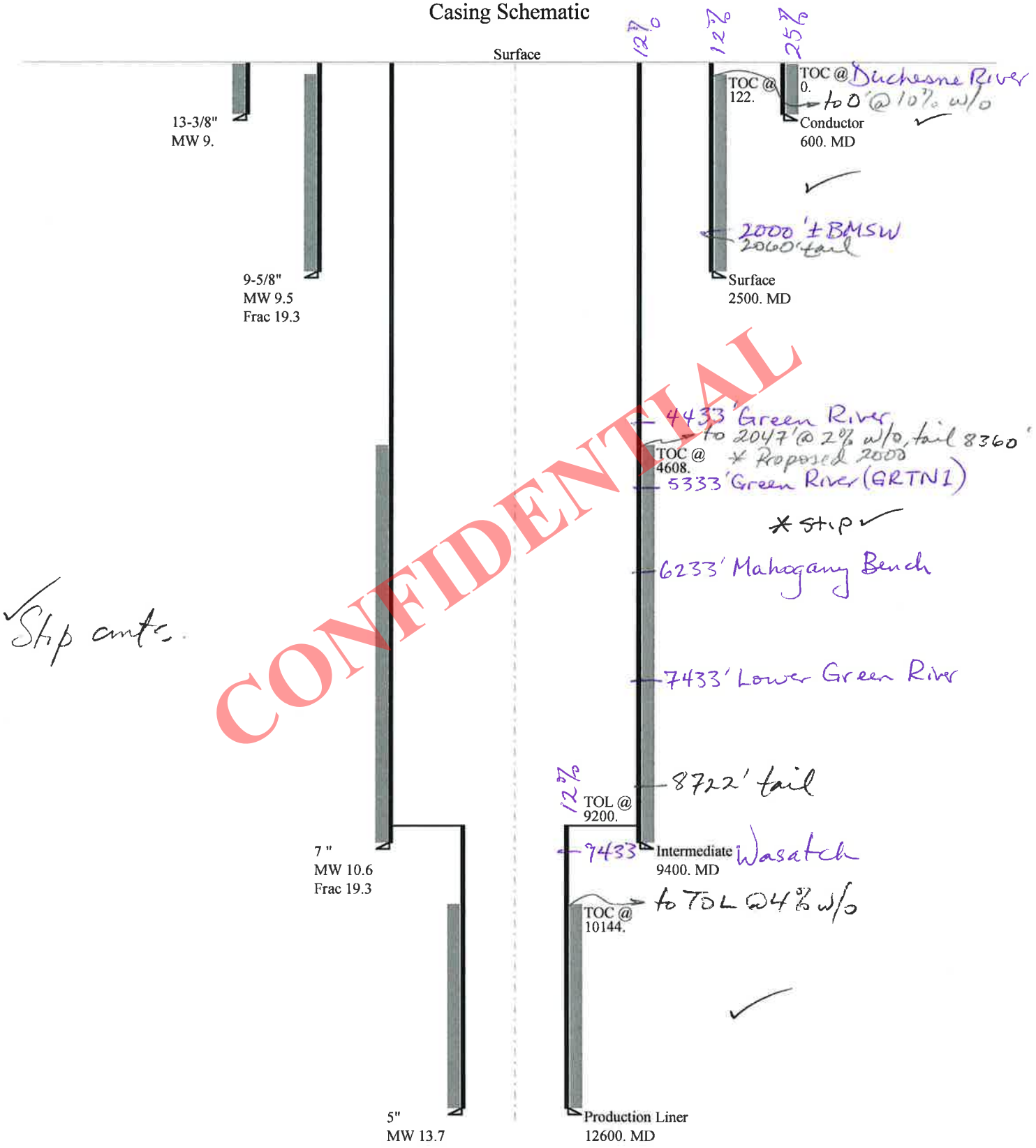
Calculations	L1 String	5.000	"	
Max BHP (psi)	.052*Setting Depth*MW=	8976		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	7464	YES	10M BOPE w/rotating head, 5M annular,
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	6204	YES	blind rams & mud cross
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	8272	YES	OK
Required Casing/BOPE Test Pressure=		9758	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		9400	psi	*Assumes 1psi/ft frac gradient

RECEIVED: October 17, 2013

API Well Number: 43013523970000

43013523970000 Adelman 5-9C4

Casing Schematic



Well name:	**43013523970000 Adelman 5-9C4**
Operator:	**EP ENERGY E&P COMPANY, L.P.**
String type:	Conductor
Project ID:	43-013-52397
Location:	DUCHESNE COUNTY

Design parameters:

Collapse

Mud weight: 9.000 ppg
Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 208 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 280 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Tension is based on air weight.
Neutral point: 520 ft

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 82 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Cement top: Surface

Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ($)
1	600	13.375	54.50	J-55	ST&C	600	600	12.49	7444

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	280	1130	4.029	280	2730	9.73	32.7	514	15.72 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: September 9,2013
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 600 ft, a mud weight of 9 ppg The casing is considered to be evacuated for collapse purposes.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

API Well Number: 43013523970000

Well name:	**43013523970000 Adelman 5-9C4**
Operator:	**EP ENERGY E&P COMPANY, L.P.**
String type:	Surface
Project ID:	43-013-52397
Location:	DUCHESNE COUNTY

Design parameters:

Collapse

Mud weight: 9.500 ppg
Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 1,950 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 2,500 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on air weight.
Neutral point: 2,147 ft

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 109 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: 122 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 9,400 ft
Next mud weight: 10.600 ppg
Next setting BHP: 5,176 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 2,500 ft
Injection pressure: 2,500 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ($)
1	2500	9.625	40.00	N-80	LT&C	2500	2500	8.75	31811

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	1234	3090	2.505	2500	5750	2.30	100	737	7.37 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940

Date: September 9,2013
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 2500 ft, a mud weight of 9.5 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

API Well Number: 43013523970000

Well name:	**43013523970000 Adelman 5-9C4**
Operator:	**EP ENERGY E&P COMPANY, L.P.**
String type:	Intermediate
Project ID:	43-013-52397
Location:	DUCHESNE COUNTY

Design parameters:

Collapse
Mud weight: 10.600 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 6,195 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 8,263 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Tension is based on air weight.
Neutral point: 7,892 ft

Environment:
H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 206 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Cement top: 4,608 ft

Non-directional string.

Re subsequent strings:
Next setting depth: 12,600 ft
Next mud weight: 13.700 ppg
Next setting BHP: 8,967 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 9,400 ft
Injection pressure: 9,400 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ($)
1	9400	7	29.00	HCP-110	LT&C	9400	9400	6.059	106150

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	5176	9200	1.777	8263	11220	1.36	272.6	797	2.92 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: September 9,2013
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 9400 ft, a mud weight of 10.6 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

API Well Number: 43013523970000

Well name:	**43013523970000 Adelman 5-9C4**
Operator:	**EP ENERGY E&P COMPANY, L.P.**
String type:	Production Liner
Project ID:	43-013-52397
Location:	DUCHESNE COUNTY

Design parameters:

Collapse
Mud weight: 13.700 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 6,195 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 8,967 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Tension is based on air weight.
Neutral point: 11,891 ft

Environment:
H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 250 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Cement top: 10,144 ft

Liner top: 9,200 ft
Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ($)
1	3400	5	18.00	HCP-110	ST-L	12600	12600	4.151	269280

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	8967	15360	1.713	8967	13940	1.55	61.2	341	5.57 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: September 9,2013
Salt Lake City, Utah

Remarks:
For this liner string, the top is rounded to the nearest 100 ft.Collapse is based on a vertical depth of 12600 ft, a mud weight of 13.7 ppg The Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

ON-SITE PREDRILL EVALUATION
Utah Division of Oil, Gas and Mining

Operator EP ENERGY E&P COMPANY, L.P.
Well Name Adelman 5-9C4
API Number 43013523970000 **APD No** 8468 **Field/Unit** ALTAMONT
Location: 1/4,1/4 SENE **Sec** 9 **Tw** 3.0S **Rng** 4.0W 1900 FNL 900 FEL
GPS Coord (UTM) 556557 4454270 **Surface Owner** Selma L. Adelman

Participants

Jared Thacker (EP Energy); Dennis Ingram (DOGM)

Regional/Local Setting & Topography

The proposed Adelman 5-9C4 well site is located in northeastern Utah approximately 4.55 miles north of Duchesne along highway 87, then easterly along an existing county road for 2.85 miles, then north another 0.89 miles on a new access road into location. The surface is relatively flat but slopes slightly to the south/southwest. The surface topography changes little across Blue Bench, which is mostly flat, open rangeland that was once irrigated to grow alfalfa. The surface does change approximately 4.0 miles to the west where this bench habitat drops off into the Duchesne River Drainage; the topography also slopes gently in a southerly direction until it reaches the Duchesne River Drainage some two plus miles away. To the north, broken sandstone shelves are common as the elevation rises into pinion juniper habitat.

Surface Use Plan

Current Surface Use
Recreational
Residential

New Road Miles	Well Pad	Src Const Material	Surface Formation
0.89	**Width** 307 **Length** 465	Onsite	UNTA

Ancillary Facilities N

Waste Management Plan Adequate? Y

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

Dense sagebrush, bitter brush, grasses, prickly pear cactus; potential mule deer, coyote, rabbit, and smaller mammals, birds native to region, no perching available.

Soil Type and Characteristics

Reddish, fine-grained sandy loam with some clays.

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

RECEIVED: October 22, 2013

Drainage Diverson Required? N

Berm Required? Y

Erosion Sedimentation Control Required? N

Paleo Survey Run? N **Paleo Potental Observed?** N **Cultural Survey Run?** N **Cultural Resources?** N

Reserve Pit

Site-Specific Factors		Site Ranking
Distance to Groundwater (feet)	>200	0
Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	>1320	0
Native Soil Type	High permeability	20
Fluid Type	Fresh Water	5
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)		0
Affected Populations		
Presence Nearby Utility Conduits	Not Present	0
	Final Score	25 1 Sensitivity Level

Characteristics / Requirements

Proposed reserve pit staked on the north side of location in cut, measuring 110' wide by 150' long by 12' deep with prevailing winds from the west.

Closed Loop Mud Required? N **Liner Required?** Y **Liner Thickness** 20 **Pit Underlayment Required?**

Other Observations / Comments

Surface slopes to the southwest, nearly flat, open sagebrush lands, no drainages or issues.

Dennis Ingram	10/3/2013
Evaluator	**Date / Time**

RECEIVED: October 22, 2013

Application for Permit to Drill
Statement of Basis
Utah Division of Oil, Gas and Mining

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
8468	43013523970000	LOCKED	OW	P	No
Operator	EP ENERGY E&P COMPANY, L.P.		**Surface Owner-APD**	Selma L. Adelman	
Well Name	Adelman 5-9C4		**Unit**		
Field	ALTAMONT		**Type of Work**	DRILL	
Location	SENE 9 3S 4W U 1900 FNL 900 FEL GPS Coord (UTM) 556557E 4454263N				

Geologic Statement of Basis

El Paso proposes to set 600 feet of conductor and 2,500 feet of surface casing both of which will be cemented to surface. The surface and intermediate holes will be drilled utilizing fresh water mud. The estimated depth to the base of moderately saline ground water is 2,000 feet. A search of Division of Water Rights records indicates that there are 5 water wells within a 10,000 foot radius of the center of Section 9. Wells range between 285 and 500 feet in depth and are used for irrigation, stock watering, domestic and oilfield purposes. These wells probably produce from the Duchesne River Formation. The Duchesne River Formation is made up of sandstones with interbedded shales and is the most prominent fresh water aquifer in the area. The proposed casing and cement program should adequately protect ground water in this area.

Brad Hill	10/16/2013
APD Evaluator	**Date / Time**

Surface Statement of Basis

A presite visit was scheduled and done on October 3, 2013 to take input and address issues regarding the construction and drilling of the Adelman 3-15C4 well. Selma Adelman was shown as the landowner of record and therefore invited to the presite meeting prior to the visit but did not attended presite. A signed landowner agreement is in place.

The immediate surface area is rangeland with dense sagebrush type habitat, some housing and trailer houses further to the west. The surface slopes gently to the south/southwest and does not have any drainages issues. The reserve pit shall be constructed immediately off the north side of the location. The operator shall install a 20 mil synthetic liner in the pit as stipulation on the operations plan to prevent seepage in this sandy soil. The reserve pit shall be wire net fenced prevent cattle from entering location. No surface issues with this proposed location site.

Dennis Ingram	10/3/2013
Onsite Evaluator	**Date / Time**

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils shall be properly installed and maintained in the reserve pit.
Pits	The reserve pit should be located on the north side of the location.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.

RECEIVED: October 22, 2013

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 8/21/2013 **API NO. ASSIGNED:** 43013523970000

WELL NAME: Adelman 5-9C4

OPERATOR: EP ENERGY E&P COMPANY, L.P. (N3850) **PHONE NUMBER:** 713 997-5038

CONTACT: Maria S. Gomez

PROPOSED LOCATION: SENE 09 030S 040W **Permit Tech Review:** ☑

SURFACE: 1900 FNL 0900 FEL **Engineering Review:** ☑

BOTTOM: 1900 FNL 0900 FEL **Geology Review:** ☑

COUNTY: DUCHESNE

LATITUDE: 40.23690 **LONGITUDE:** -110.33513

UTM SURF EASTINGS: 556557.00 **NORTHINGS:** 4454263.00

FIELD NAME: ALTAMONT

LEASE TYPE: 4 - Fee

LEASE NUMBER: Fee **PROPOSED PRODUCING FORMATION(S):** GREEN RIVER(LWR)-WASATCH

SURFACE OWNER: 4 - Fee **COALBED METHANE:** NO

RECEIVED AND/OR REVIEWED:

- ☑ **PLAT**
- ☑ **Bond:** STATE/FEE - 400JU0708
- ☐ **Potash**
- ☐ **Oil Shale 190-5**
- ☐ **Oil Shale 190-3**
- ☐ **Oil Shale 190-13**
- ☑ **Water Permit:** Ballard City/Roosevelt City
- ☐ **RDCC Review:**
- ☑ **Fee Surface Agreement**
- ☐ **Intent to Commingle**

Commingling Approved

LOCATION AND SITING:

- ☐ **R649-2-3.**

Unit:

- ☐ **R649-3-2. General**
- ☐ **R649-3-3. Exception**
- ☑ **Drilling Unit**

Board Cause No: Cause 139-90

Effective Date: 5/9/2012

Siting: (4) WELLS PER 640 ACRE

- ☐ **R649-3-11. Directional Drill**

Comments: Presite Completed

Stipulations: 5 - Statement of Basis - bhill
8 - Cement to Surface -- 2 strings - hmacdonald
12 - Cement Volume (3) - hmacdonald

RECEIVED: October 22, 2013

GARY R. HERBERT
Governor
GREGORY S. BELL
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES
MICHAEL R. STYLER
Executive Director
Division of Oil, Gas and Mining
JOHN R. BAZA
Division Director

Permit To Drill

****

Well Name: Adelman 5-9C4
API Well Number: 43013523970000
Lease Number: Fee
Surface Owner: FEE (PRIVATE)
Approval Date: 10/22/2013

Issued to:
EP ENERGY E&P COMPANY, L.P., 1001 Louisiana, Houston, TX 77002

Authority:
Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 139-90. The expected producing formation or pool is the GREEN RIVER(LWR)-WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:
This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:
Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:
Cement volumes for the 13 3/8" and 9 5/8" casing strings shall be determined from actual hole diameters in order to place cement from the pipe setting depths back to the surface.

Cement volume for the 7" intermediate string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to 2000' MD as indicated in the submitted drilling plan.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Additional Approvals:
The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan - contact Dustin Doucet
- Significant plug back of the well - contact Dustin Doucet
- Plug and abandonment of the well - contact Dustin Doucet

Notification Requirements:
The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well - contact Carol Daniels
  OR
  submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website
  at http://oilgas.ogm.utah.gov
- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing - contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program
  - contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well - contact Dan Jarvis

Contact Information:
The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office
  801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office
  801-231-8956 - after office hours

Reporting Requirements:
All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) - due prior to implementation
- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation
- Report of Water Encountered (Form 7) - due within 30 days after completion
- Well Completion Report (Form 8) - due within 30 days after completion or plugging

Approved By:

Approved By:

For John Rogers
Associate Director, Oil & Gas

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Oil Well

8. WELL NAME and NUMBER:
Adelman 5-9C4

2. NAME OF OPERATOR:
EP ENERGY E&P COMPANY, L.P.

9. API NUMBER:
43013523970000

3. ADDRESS OF OPERATOR:
1001 Louisiana , Houston, TX, 77002

PHONE NUMBER:
713 997-5038 Ext

9. FIELD and POOL or WILDCAT:
ALTAMONT

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1900 FNL 0900 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SENE Section: 09 Township: 03.0S Range: 04.0W Meridian: U

COUNTY:
DUCHESNE

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 10/22/2014	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	✓ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

EP respectfully request a one year extension for future drilling of this well.

Approved by the
Utah Division of
Oil, Gas and Mining
November 25, 2014

Date:

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Maria S. Gomez	713 997-5038	Principal Regulatory Analyst
SIGNATURE		**DATE**
N/A		11/17/2014

RECEIVED: Nov. 17, 2014

The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43013523970000

API: 43013523970000
Well Name: Adelman 5-9C4
Location: 1900 FNL 0900 FEL QTR SENE SEC 09 TWNP 030S RNG 040W MER U
Company Permit Issued to: EP ENERGY E&P COMPANY, L.P.
Date Original Permit Issued: 10/22/2013

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- **If located on private land, has the ownership changed, if so, has the surface agreement been updated?** ○ **Yes** ◉ **No**
- **Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?** ○ **Yes** ◉ **No**
- **Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?** ○ **Yes** ◉ **No**
- **Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?** ○ **Yes** ◉ **No**
- **Has the approved source of water for drilling changed?** ○ **Yes** ◉ **No**
- **Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?** ○ **Yes** ◉ **No**
- **Is bonding still in place, which covers this proposed well?** ◉ **Yes** ○ **No**

Signature: Maria S. Gomez **Date:** 11/17/2014
Title: Principal Regulatory Analyst **Representing:** EP ENERGY E&P COMPANY, L.P.

RECEIVED: Nov. 17, 2014

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: Adelman 5-9C4

2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P.

9. API NUMBER: 43013523970000

3. ADDRESS OF OPERATOR: 1001 Louisiana , Houston, TX, 77002

PHONE NUMBER: 713 997-5038 Ext

9. FIELD and POOL or WILDCAT: ALTAMONT

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1900 FNL 0900 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 09 Township: 03.0S Range: 04.0W Meridian: U

COUNTY: DUCHESNE

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 3/12/2015	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	✓ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ SPUD REPORT Date of Spud:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Changes to casing setting depths, MW, and cementing. Please see attached.

Approved by the
Utah Division of
Oil, Gas and Mining
March 12, 2015

Date:

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Maria S. Gomez	713 997-5038	Principal Regulatory Analyst
SIGNATURE N/A		**DATE** 3/12/2015

RECEIVED: Mar. 12, 2015

Adelman 5-9C4
Sec. 9, T3S, R4W
DUCHESNE COUNTY, UT

EP ENERGY E&P COMPANY, L.P.

DRILLING PROGRAM

1. **Estimated Tops of Important Geologic Markers**

Formation	Depth
Green River (GRRV)	4,433' TVD
Green River (GRTN1)	5,333' TVD
Mahogany Bench	6,233' TVD
L. Green River	7,433' TVD
Wasatch	9,433' TVD
T.D. (Permit)	12,600' TVD

2. **Estimated Depths of Anticipated Water, Oil, Gas or Mineral Formations:**

Substance	Formation	Depth
	Green River (GRRV)	4,433' MD/TVD
	Green River (GRTN1)	5,333' MD/TVD
	Mahogany Bench	6,233' MD/TVD
Oil	L. Green River	7,433' MD/TVD
Oil	Wasatch	9,433' MD/TVD

3. **Pressure Control Equipment:** (Schematic Attached)

A Diverter Stack on structural pipe from 60' MD/TVD to 2,100' MD/TVD. A 10M BOP stack w/ rotating head, spacer spool, 5M annular, flex rams, blind rams & single w/ flex rams used from 2,100' MD/TVD to 9,500' MD/TVD. A 10M BOP stack w/ rotating head, spacer spool, 5M annular, flex rams, blind rams & single w/ flex rams from 9,500' MD/TVD to TD (12,600' MD/TVD).

The BOPE and related equipment will meet the requirements of the 5M and 10M system.

This well is in surrounded by many wells we have drilled this year. We have pre-set 9-5/8" to around this same depth on many wells with no issues. I have a great handle on MW's & what we should expect in this area.

There are 5 SWD wells within 4 miles of our location but none of them are within 2 miles. Below is the information for all 5 wells:

RECEIVED: Mar. 12, 2015

1. **The Belcher 2-33B4 SWD is 10,635' or 2.01 miles North, North West of the proposed location.** It is owned by EP Energy & it is a pretty new SWD well (it was converted to a SWD well in 9/2014). The injection interval is from 4,142'-6,230'. It has been injecting at an average of 4,200 bbls/day @ 626 psi. The shut in pressure is 283 psi. The EMW is 9.91 ppg. Since this SWD is North, North West of the proposed location (which means it is not on fracture orientation) & more than 2.0 miles away, I know we will not see any pressure from this well.

2. **The Lindsay Russell 2-32B4 SWD well is 11,982' or 2.27 miles North West of the proposed location.** The injection interval is @ 2464'-3726'. It has been injecting between 1600-2000 bbls/day @ 900 psi. We own this well & it is an active SWD well. When it goes down on maintenance or goes down, the pressure dissipates to 20 psi and stays at 20 psi. Using 20 psi, the EMW @ 2464' is 8.76 ppg. Since this SWD is North West of the proposed location (which means it is not on fracture orientation) & more than 2.0 miles away, I know we will not see any pressure from this well.

3. **The Blue Bench 1-13C5 SWD is 16,418' or 3.11 miles West, South West of our location.** It is owned by Intercept Energy & is an active SWD well. It is injecting into the Upper/Middle Green River & Upper-most Lower Green River. The injection interval is from 4106'-7528'. The injection rate is now ~500 bbls/day @ 500-600 psi (I just got off the phone with Keith who is with Intercept Energy). The pressure dissipates to 300 psi while down on maintenance. Using 300 psi, the EMW @ 4106' is 10.01 ppg. We will not see any pressure from this well since it is 3.11 miles away from the proposed location. We have drilled as close as 0.98 miles to this SWD well (that well is between the SWD & this proposed location) & on fracture orientation and have not seen any pressure while drilling.

4. **The IWM 3-30B4 SWD well is 16,499' or 3.12 miles North West of the proposed location.** The injection interval is @ 4063'-5130'. It has been injecting ~5,000 bbls/day @ 720 psi. IWM owns this well & it is an active SWD well. The shut in pressure is 321 psi. Using 321 psi, the EMW @ 4063' is 10.12 ppg. Since this SWD is North West of the proposed location (which means it is not on fracture orientation) & more than 3.0 miles away, I know we will not see any pressure from this well.

5. **The Rhoades Moon 1-36B5 SWD is 19,674' or 3.72 miles North West of the proposed location.** It is owned by EP Energy & is an active SWD well. It has been injecting since 2001. The injection interval is from 4114'-5055'. The injection rate averages 7200 bbls/day @ 900 psi (maximum allowable injection pressure is 1400 psi). When the well goes down for maintenance, the pressure dissipates to 600 psi. Using 600 psi, the EMW @ 4114' is 11.4 ppg (the weight of the fluid being injected is ~8.6 ppg). Since this SWD is North West of the proposed location (which means it is not on fracture orientation) & more than 3.5 miles away, I know we will not see any pressure from this well.

RECEIVED: Mar. 12, 2015

OPERATORS MINIMUM SPECIFICATIONS FOR BOPE:

The surface casing will be equipped with a flanged casing head of 5M psi working pressure. An 11" 5M x 11" 10M spool, 11" x 10M psi BOP and 5M psi annular will be nippled up on the surface casing and tested to 250 psi low test / 3,000 psi high test for 10 minutes each prior to drilling out. The surface casing will be tested to 1,000 psi. for 30 mins. Intermediate casing will be tested to the greater of 1,500 psi or 0.22 psi/ft. The choke manifold equipment, upper Kelly cock and floor safety valves will be tested to 5M psi. The annular preventer will be tested to 250 psi low test / 4,000 psi high test. The 10M BOP will be installed with rotating head, spacer spool, 5M annular, flex rams, blind rams & single w/ flex rams from surface shoe to TD. The BOPE will be hydraulically operated.

In addition, the BOP equipment will be tested after running intermediate casing, after any repairs to the equipment and at least once every 30 days. Pipe and blind rams will be activated on each trip, annular preventer will be activated weekly and weekly BOP drills will be held with each crew.

Statement on Accumulator System and Location of Hydraulic Controls:

Precision 406 is expected to be used to drill the proposed well. Operations will commence after approval of this application. Manual and/or hydraulic controls will be in compliance with 5M and 10M psi systems.

Auxiliary Equipment:

A) Pason Gas Monitoring 2,100' - TD
B) Mud logger with gas monitor – 2,100' to TD
C) Choke manifold with one manual and one hydraulic operated choke
D) Full opening floor valve with drill pipe thread
E) Upper and lower Kelly cock
F) Shaker, de-sander and centrifuge

4. **Proposed Casing & Cementing Program:**

Please refer to the attached Wellbore Diagram.
All casing will meet or exceed the following design safety factors:

- Burst = 1.00
- Collapse = 1.125
- Tension = 1.2 (including 100k# overpull)

Cement design calculations for intermediate and production hole will be based on minimum 10% excess over gauge hole volumes. Actual volumes pumped will be a minimum of 10% excess over caliper volume to designed tops of cement for any section logged. A minimum of 50% excess over gauge volume will be pumped on surface casing.

5. **Drilling Fluids Program:**

Proposed Mud Program:

Interval	Type	Mud Weight
Surface	Air	Air
Intermediate	WBM	9.4 – 10.6
Production	WBM	11.0 – 13.0

Anticipated mud weights are based on actual offset well bottom-hole pressure data. Mud weights utilized may be somewhat higher to allow for trip margin and to provide hole stability for running logs and casing.

Visual mud monitoring equipment will be utilized.

6. **Evaluation Program**:

Logs:
Mud Log: 2,100' MD/TVD – TD
Open Hole Logs: Gamma Ray, Neutron-Density, Resistivity, Sonic, from surface casing shoe to TD.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 12,600' TVD equals approximately 8,518 psi. This is calculated based on a 0.676 psi/ft gradient (13.0 ppg mud density at TD).

Maximum anticipated surface pressure equals approximately 5,746 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/ft).

Maximum anticipated surface pressure based on frac gradient at 7" casing shoe is 0.8 psi/ft at 9,500' TVD = 7,600 psi

BOPE and casing design will be based on the lesser of the two MASPs which is 5,746 psi.

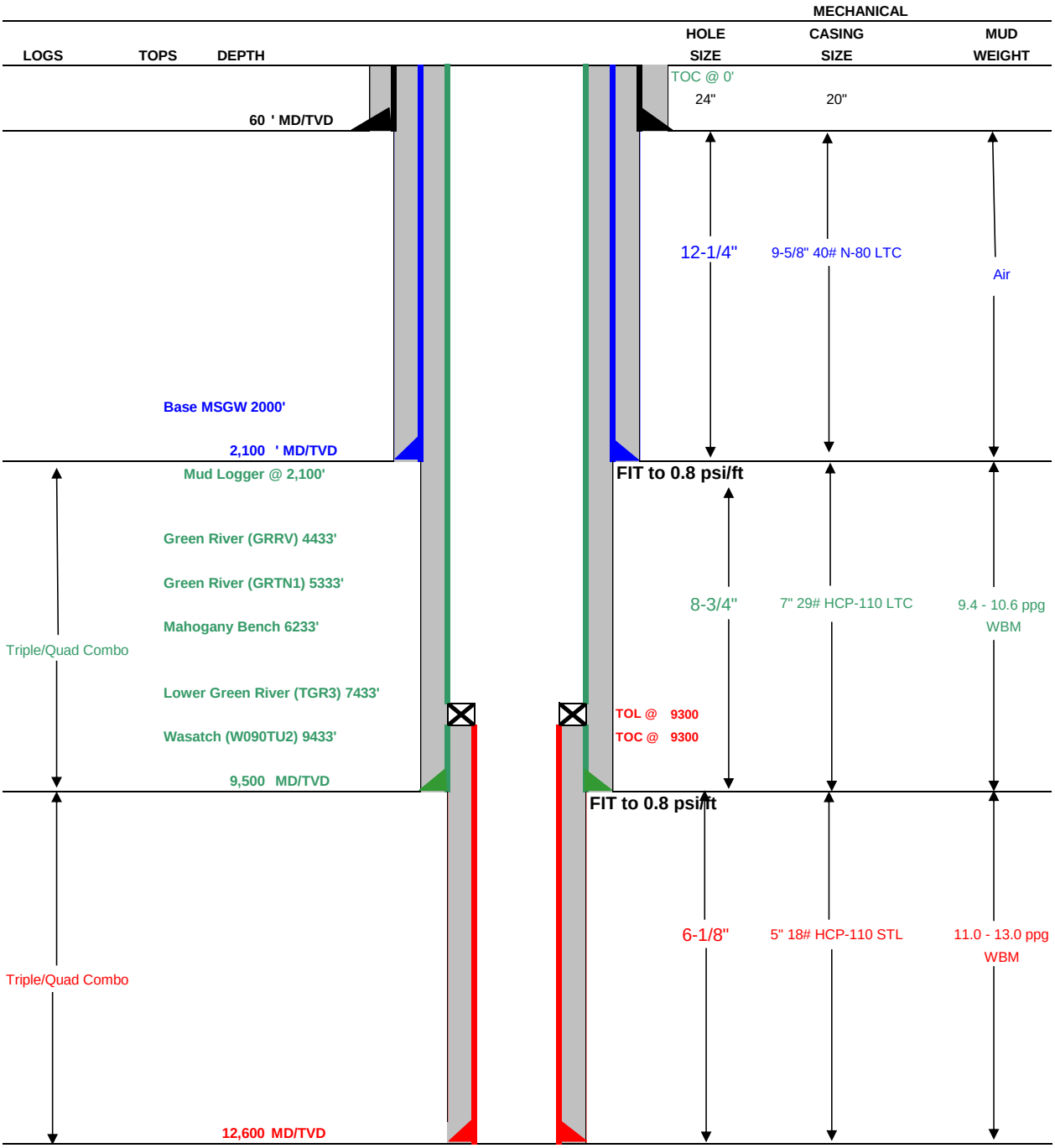
8. **OPERATOR REQUESTS THAT THE PROPOSED WELL BE PLACED ON CONFIDENTIAL STATUS.**

RECEIVED: Mar. 12, 2015

EP ENERGY

Drilling Schematic

Company Name:	EP ENERGY	**Date:**	March 2, 2015
Well Name:	Adelman 5-9C4	**TD:**	12,600
Field, County, State:	Altamont, Duchesne, Utah	**AFE #:**	TBD
Surface Location:	Sec 9 T3S R4W 1900' FNL 900' FEL	**BHL:**	Straight Hole
Objective Zone(s):	Green River, Wasatch	**Elevation:**	6015.9
Rig:	Precision 406	**Spud (est.):**	TBD
BOPE Info:	Diverter Stack on structural pipe from 60' to 2,100' . 11 10M BOPE w/ rotating head & 5M annular from 2,100' to 9,500' . 11 10M BOPE w/ rotating head, spacer spool, 5M annular, flex rams, blind rams, single w/ flex rams from 9,500' to TD		



DRILLING PROGRAM

CASING PROGRAM	SIZE	INTERVAL		WT.	GR.	CPLG.	BURST	COLLAPSE	TENSION
SURFACE	9-5/8"	0	2100	40.00	N-80	LTC	5,750	3,090	737
INTERMEDIATE	7"	0	9500	29.00	HCP-110	LTC	11,220	9,750	797
PRODUCTION LINER	5"	9300	12600	18.00	HCP-110	STL	13,940	15,450	341

CEMENT PROGRAM		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	Lead	1,600	EXTENDACEM SYSTEM: Type V Cement + 2% Cal-Seal + 0.35% Versaset + 0.3% D-Air 5000 + 6% Salt + 2% Econolite + 0.125 Poly-E-Flake	446	100%	12.0 ppg	2.36
	Tail	500	HALCEM SYSTEM: Class G Cement + 3 lbm/sk Silicalite Compacted + 1% Salt + 0.3% Econolite + 0.25 lbm/sk Poly-E-Flake + 0.25 lbm/sk Kwik Seal + 0.3% D-AIR 5000	195	50%	14.3 ppg	1.30
INTERMEDIATE	Lead	7,000	EXTENDACEM SYSTEM: Class G Cement + 6% Bentonite + 0.2% Econolite + 0.3% Versaset + 0.75% HR-5 + 0.3% Super CBL + 0.2% Halad-322 + 0.125 lb/sk Poly-E-Flake	694	35%	12.5 ppg	1.91
	Tail	2,500	EXPANDACEM SYSTEM: Class G Cement + 4% Bentonite + 0.25 Poly-E-Flake + 0.1% Halad-413 + 5 lb/sk Silicalite Compacted + 0.15% SA-1015 + 0.3% HR-5	304	30%	13.0 ppg	1.64
PRODUCTION LINER		3,300	EXTENDACEM SYSTEM: Class G Cement + 0.2% Super CBL + 0.55% SCR-100 + 0.3% Halad-413 + 0.125 lbm/sk Poly-E-Flake + 3 lbm/sk Silicalite Compacted + 20% SS-200 + 0.10% SA-1015	196	30%	14.2 ppg	1.52

FLOAT EQUIPMENT & CENTRALIZERS	
SURFACE	PDC drillable float shoe, 1 joint casing, PDC drillable float collar. Thread lock all float equipment. Install bow spring centralizers on the bottom 3 joints of casing & every 3rd joint thereafter.
INTERMEDIATE	Halliburton's PDC drillable 10M P-110 float shoe, 1 joint, PDC drillable 10M P-110 float collar. Thread lock all float equipment. Maker joint at +/- 7,400'.
LINER	Float shoe, 1 joint, float collar,1 joint, landing collar. Thread lock all FE. Maker joints every 1000'.

PROJECT ENGINEER(S): Brad MacAfee 713-997-6383

MANAGER: Bob Dodd

RECEIVED: Mar. 12, 2015

CONFIDENTIAL

Carol Daniels <caroldaniels@utah.gov>

SENE S-09 T03S R04W FEE LEASE

24hr Notice of Spud

1 message

LANDRIG009 (Precision 406) <LANDRIG009@epenergy.com> Tue, Mar 10, 2015 at 12:48 PM
To: "alexishuefner@utah.gov" <alexishuefner@utah.gov>, "MacAfee, Bradley D" <Brad.MacAfee@epenergy.com>, "caroldaniels@utah.gov" <caroldaniels@utah.gov>, "dennisingram@utah.gov" <dennisingram@utah.gov>, "Dodd, Robert W" <Robert.Dodd@epenergy.com>, "Mangum, Danny R (Contractor)" <danny.mangum@epenergy.com>, "Gomez, Maria S" <Maria.Gomez@epenergy.com>, "Derden, Roy Lynn (Contractor)" <Roy.Derden@epenergy.com>

RE: EP ENERGY

ADELMAN 5-9C4

API # 43013523970000

ALTAMONT FIELD

DUCHESNE COUNTY

Leon Ross Drilling spudded the well @ 11:26hrs on 3/10/2015. We plan on running and cementing 20" Conductor Casing to +/- 40' within 24hrs.

Regards,

Tony Wilkerson / Bill Owen

EP Energy LLC

PD Rig 406

Rig: 713-997-1220

Cell: 435-823-1764

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: Fee

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Oil Well

8. WELL NAME and NUMBER:
Adelman 5-9C4

2. NAME OF OPERATOR:
EP ENERGY E&P COMPANY, L.P.

9. API NUMBER:
43013523970000

3. ADDRESS OF OPERATOR:
1001 Louisiana , Houston, TX, 77002

PHONE NUMBER:
713 997-5038 Ext

9. FIELD and POOL or WILDCAT:
ALTAMONT

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1900 FNL 0900 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SENE Section: 09 Township: 03.0S Range: 04.0W Meridian: U

COUNTY:
DUCHESNE

STATE:
UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 4/24/2015	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ SPUD REPORT Date of Spud:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: Initial Completion

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

EP plans to complete into the Wasatch. Please see attached for details.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
April 20, 2015

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Maria S. Gomez	713 997-5038	Principal Regulatory Analyst
SIGNATURE		**DATE**
N/A		4/20/2015

RECEIVED: Apr. 20, 2015

Adelman 5-9C4

Initial Completion

API # : 43013523970000

The following precautions will be taken until the RCA for the Conover is completed:

1. Review torque turning and running of the 7" and 5" liner of anomalies.

2. Test and chart casing for 30 minutes, noting pressure if any on surface casing.

3. Test all lubricators, valves and BOP's to working pressure.

4. A frac tree with BOP equipment will be utilized during the stimulation treatment.

5. Monitor the surface casing during frac:

a. Lay a flowline to the flow back tank and keep the valve open.

b. This line will remain in place until a wire line set retrievable packer is in place isolating the casing after the frac.

6. 2 7/8" tubing will be run to isolate the casing during the flow back of the well.

7. Well pressure and annulus pressure would be monitored during this time until the well is ready for pump.

Completion Information (Wasatch Formation)

Stage #1 RU WL unit with 10K lubricator and test to 10,000 psi with glycol. Perforations from ~11688' – 12008' with ~5000 gallons of 15% HCL acid, ~3000 # of 100 mesh sand and ~150000 # of THS 30/50. Total clean water volume is 3686 bbls.

Stage #2 RU WL unit with 10K lubricator and test to 10,000 psi with glycol. Perforations from ~11355' – 11641' with ~5000 gallons of 15% HCL acid, ~3000 # of 100 mesh sand and ~150000 # of THS 30/50. Total clean water volume is 3680 bbls.

Stage #3 RU WL unit with 10K lubricator and test to 10,000 psi with glycol. Perforations from ~11035' – 11282' with ~5000 gallons of 15% HCL acid, ~3000 # of 100 mesh sand and ~150000 # of THS 30/50. Total clean water volume is 3675 bbls.

Stage #4 RU WL unit with 10K lubricator and test to 10,000 psi with glycol. Perforations from ~10776' – 11004' with ~5000 gallons of 15% HCL acid, ~3000 # of 100 mesh sand and ~150000 # of THS 30/50. Total clean water volume is 3670 bbls.

Stage #5 RU WL unit with 10K lubricator and test to 10,000 psi with glycol. Perforations from ~10493' – 10731' with ~5000 gallons of 15% HCL acid, ~3000 # of 100 mesh sand and ~150000 # of TLC 30/50. Total clean water volume is 3665 bbls.

RECEIVED: Apr. 20, 2015

Stage #6 RU WL unit with 10K lubricator and test to 10,000 psi with glycol. Perforations from ~10235' – 10462' with ~5000 gallons of 15% HCL acid, ~3000 # of 100 mesh sand and ~150000 # of TLC 30/50. Total clean water volume is 3660 bbls.

Stage #7 RU WL unit with 10K lubricator and test to 10,000 psi with glycol. Perforations from ~9930' – 10206' with ~5000 gallons of 15% HCL acid, ~3000 # of 100 mesh sand and ~150000 # of TLC 30/50. Total clean water volume is 3655 bbls.

Stage #8 RU WL unit with 10K lubricator and test to 10,000 psi with glycol. Perforations from ~9634' – 9895' with ~5000 gallons of 15% HCL acid, ~3000 # of 100 mesh sand and ~150000 # of TLC 30/50. Total clean water volume is 3650 bbls.

Stimulation Summary

	Top Perf	Btm. Perf	Gross Interval	Plug Depth	Net Perf Length	Total Shots	Perf Intervals	Type of Prop	Lbs of Prop	Lbs/ft	Lbs of 100 Mesh	Gals of HCL (15%)	BBLs of Clean H2O	BBLs of Slurry
Stage #1	11,688	12,008	320	NA	23	69	17	THS 30/50	150,000	469	3,000	5,000	3,686	4,098
Stage #2	11,355	11,641	286	11,656	23	69	17	THS 30/50	150,000	524	3,000	5,000	3,680	4,092
Stage #3	11,035	11,282	247	11,297	21	63	17	THS 30/50	150,000	607	3,000	5,000	3,675	4,087
Stage #4	10,776	11,004	228	11,019	23	69	17	THS 30/50	150,000	658	3,000	5,000	3,670	4,082
Stage #5	10,493	10,731	238	10,746	23	69	17	TLC 30/50	150,000	630	3,000	5,000	3,665	4,065
Stage #6	10,235	10,462	227	10,477	23	69	17	TLC 30/50	150,000	661	3,000	5,000	3,660	4,061
Stage #7	9,930	10,206	276	10,221	23	69	17	TLC 30/50	150,000	543	3,000	5,000	3,655	4,055
Stage #8	9,634	9,895	261	9,910	23	69	17	TLC 30/50	150,000	575	3,000	5,000	3,650	4,050
Average per Stage			**260**		**23**	**68**	**17**		**150,000**	**583**	**3,000**	**5,000**	**3,668**	**4,074**
Totals per Well			**2,083**		**182**	**546**	**136**		**1,200,000**		**24,000**	**40,000**	**29,341**	**32,591**

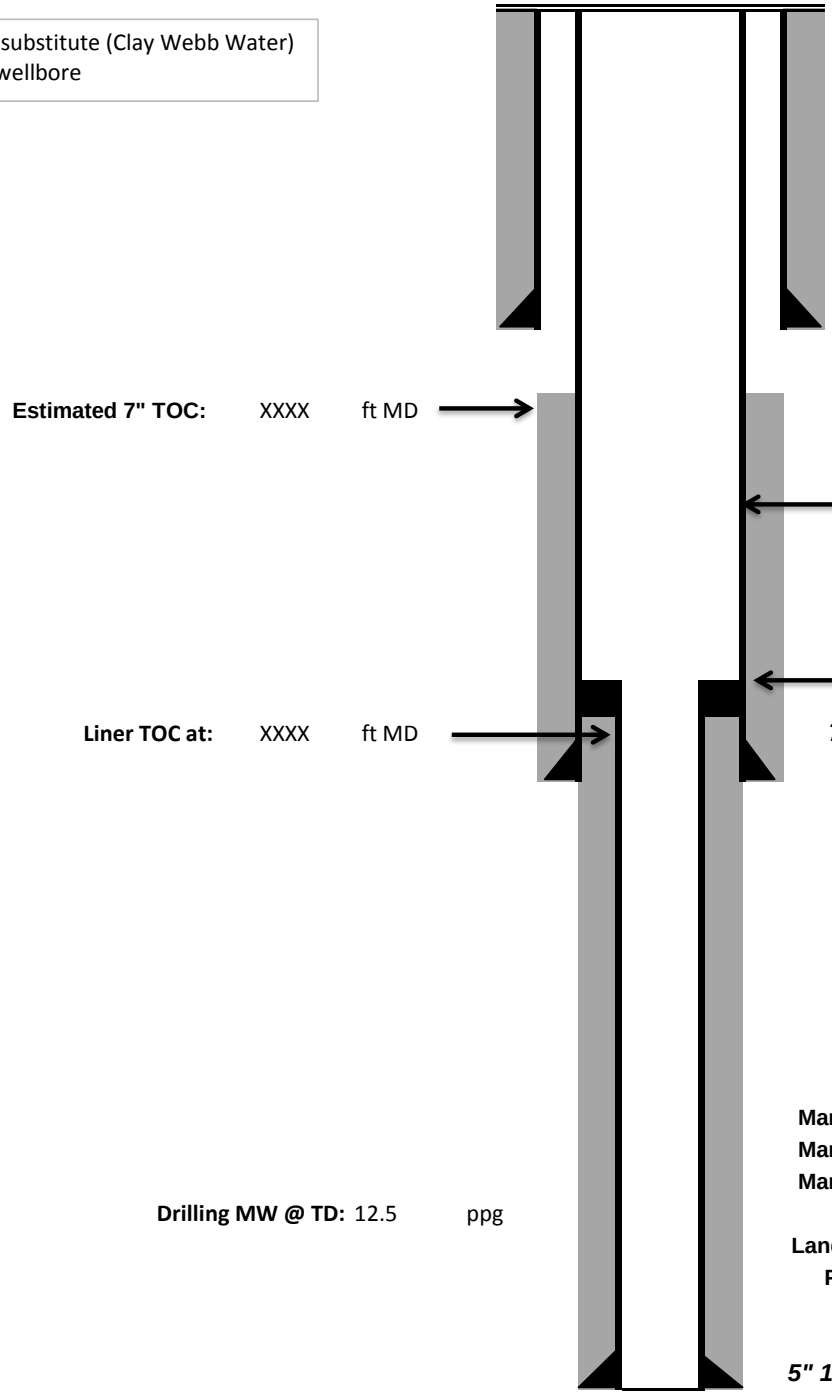
RECEIVED: Apr. 20, 2015

EP ENERGY

Pre-Completion Wellbore Schematic

Well Name:	**Adelman 5-9C4**	**Last Updated:**	*4/20/2015*
Company Name:	*EP Energy*	**By:**	*David Gregory*
Field, County, State:	*Altamont, Duchesne, UT*	**TD:**	*12,205*
Surface Location:	*Lat: 40 14' 12.985" N Long: 110 20' 06.349" W*	**API:**	*43013523970000*
Producing Zone(s):	*Upper Wasatch*	**AFE:**	*161310*

8.43 ppg KCL substitute (Clay Webb Water) water in the wellbore



9-5/8" 40# N-80 LTC @ 2232 ft. MD

Estimated 7" TOC: XXXX ft MD

7" Marker Joint at: 7,569 ft MD

Top of Liner at: 9,332 ft MD

Liner TOC at: XXXX ft MD

7" 29# HCP-110 LTC @ 9490 ft. MD
Drift ID = 6.059"

Drilling MW @ TD: 12.5 ppg

Marker Joint 1 at:	9,869	ft MD
Marker Joint 2 at:	10,208	ft MD
Marker Joint 3 at:	11,205	ft MD
Landing Collar @	12,104	ft MD
Float Collar @	12,154	ft MD
Float Shoe @	12,205	ft MD

5" 18# HCP-110 STL @ 9332 - 12205 ft. MD
Drift ID = 4.151"

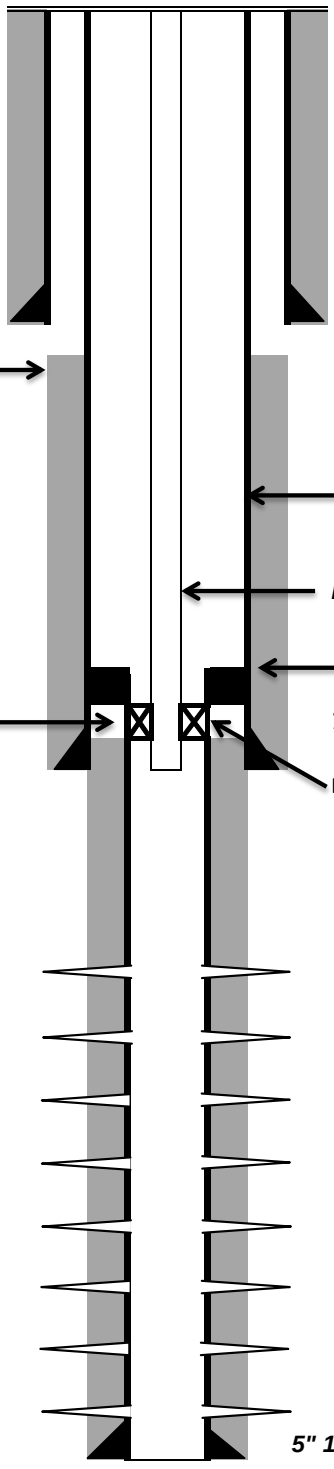
RECEIVED: Apr. 20, 2015

EP ENERGY

Post-Completion Wellbore Schematic

Well Name:	**Adelman 5-9C4**	**Last Updated:**	*4/20/2015*
Company Name:	*EP Energy*	**By:**	*David Gregory*
Field, County, State:	*Altamont, Duchesne, UT*	**TD:**	*12,205*
Surface Location:	*Lat: 40 14' 12.985" N Long: 110 20' 06.349" W*	**API:**	*43013523970000*
Producing Zone(s):	*Upper Wasatch*	**AFE:**	*161310*

8.43 ppg KCL substitute (Clay Webb Water) water in the wellbore



9-5/8" 40# N-80 LTC @ 2232 ft. MD

Estimated TOC at: XXXX ft MD

7" Marker Joint at: 7,569 ft MD

Production Tubing: 2 7/8"

Top of Liner at: 9,332 ft MD

Liner TOC at: XXXX ft MD

7" 29# HCP-110 LTC @ 9490 ft. MD
Drift ID = 6.059"
Production Packer @ 9432 ft MD

Initial Completion Perf Information

Stage #8	**9634 - 9895**	**23' /69 shots**
	5000 gal HCL & 150000 lbs TLC 30/50	
Stage #7	**9930 - 10206**	**23' /69 shots**
	5000 gal HCL & 150000 lbs TLC 30/50	
Stage #6	**10235 - 10462**	**23' /69 shots**
	5000 gal HCL & 150000 lbs TLC 30/50	
Stage #5	**10493 - 10731**	**23' /69 shots**
	5000 gal HCL & 150000 lbs TLC 30/50	
Stage #4	**10776 - 11004**	**23' /69 shots**
	5000 gal HCL & 150000 lbs THS 30/50	
Stage #3	**11035 - 11282**	**21' /63 shots**
	5000 gal HCL & 150000 lbs THS 30/50	
Stage #2	**11355 - 11641**	**23' /69 shots**
	5000 gal HCL & 150000 lbs THS 30/50	
Stage #1	**11688 - 12008**	**23' /69 shots**
	5000 gal HCL & 150000 lbs THS 30/50	

Marker Joint 1 @: 9,869 ft MD
Marker Joint 2 @: 10,208 ft MD
Marker Joint 2 @: 11,205 ft MD

Landing Collar @ 12,104 ft MD
Float Collar @ 12,154 ft MD
Float Shoe @ 12,205 ft MD

5" 18# HCP-110 STL @ 9332 - 12205 ft. MD
Drift ID = 4.151"

RECEIVED: Apr. 20, 2015

CONFIDENTIAL

[redacted]

Carol Daniels <caroldaniels@utah.gov>

SENE S-09 T03S R04W FEE LEASE

24hr Notice Run & Cement Casing - Adelman 5-9C4 API # 43013523970000

1 message

LANDRIG009 (Precision 406) <LANDRIG009@epenergy.com> Tue, Mar 17, 2015 at 6:23 AM
To: "alexishuefner@utah.gov" <alexishuefner@utah.gov>, "MacAfee, Bradley D" <Brad.MacAfee@epenergy.com>, "caroldaniels@utah.gov" <caroldaniels@utah.gov>, "dennisingram@utah.gov" <dennisingram@utah.gov>, "Dodd, Robert W" <Robert.Dodd@epenergy.com>, "Mangum, Danny R (Contractor)" <danny.mangum@epenergy.com>, "Gomez, Maria S" <Maria.Gomez@epenergy.com>, "Derden, Roy Lynn (Contractor)" <Roy.Derden@epenergy.com>

RE: EP ENERGY

ADELMAN 5-9C4

API # 43013523970000

ALTAMONT FIELD

DUCHESNE COUNTY

Leon Ross Drilling 26 moved in and commenced drilling the 12¼" surface hole @ 12:00hrs on 3/16/2015. We plan on running and cementing 9-5/8" Surface Casing to +/- 2,100' within 24hrs.

Regards,

Tony Wilkerson / Bill Owen

EP Energy LLC

PD Rig 406

Rig: 713-997-1220

Cell: 435-823-1764

CONFIDENTIAL

[redacted]

Carol Daniels <caroldaniels@utah.gov>

SENE S-09 T03S R04W FEE LEASE

24hr Notice Run & Cement Casing

1 message

LANDRIG009 (Precision 406) <LANDRIG009@epenergy.com> Fri, Apr 3, 2015 at 8:20 PM
To: "alexishuefner@utah.gov" <alexishuefner@utah.gov>, "MacAfee, Bradley D" <Brad.MacAfee@epenergy.com>, "caroldaniels@utah.gov" <caroldaniels@utah.gov>, "dennisingram@utah.gov" <dennisingram@utah.gov>, "Dodd, Robert W" <Robert.Dodd@epenergy.com>, "Mangum, Danny R (Contractor)" <danny.mangum@epenergy.com>, "Gomez, Maria S" <Maria.Gomez@epenergy.com>, "Derden, Roy Lynn (Contractor)" <Roy.Derden@epenergy.com>

RE: EP ENERGY

ADELMAN 5-9C4

API # 43013523970000

ALTAMONT FIELD

DUCHESNE COUNTY

We plan on running and cementing 7" 29# P-110HC LT&C Intermediate Casing to +/- 9,505' within 24hrs.

Regards,

Tony Wilkerson / Bill Owen

EP Energy LLC

PD Rig 406

Rig: 713-997-1220

Cell: 435-823-1764

Sundry Number: 63604 API Well Number: 43013523970000

Reset Form

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ (highlight changes) FORM 8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER:

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

1a. TYPE OF WELL: OIL WELL ☑ GAS WELL ☐ DRY ☐ OTHER

7. UNIT or CA AGREEMENT NAME

b. TYPE OF WORK: NEW WELL ☑ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER

8. WELL NAME and NUMBER: Adelman 5-9C4

2. NAME OF OPERATOR: EP Energy E&P Company, L.P.

9. API NUMBER: 4301352397

3. ADDRESS OF OPERATOR: 1001 Louisiana CITY Houston STATE TX ZIP 77002

PHONE NUMBER: (713) 997-5038

10 FIELD AND POOL, OR WILDCAT: Altamont

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 1900' FNL & 900' FEL
AT TOP PRODUCING INTERVAL REPORTED BELOW: 2013' FNL & 951' FEL
AT TOTAL DEPTH: 2126' FNL & 958' FEL

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENE 9 3S 4W U

12. COUNTY: Duchesne

13. STATE: UTAH

14. DATE SPUDDED: 3/26/2015

15. DATE T.D. REACHED: 4/8/2015

16. DATE COMPLETED: 5/1/2015 ABANDONED ☐ READY TO PRODUCE ☑

17. ELEVATIONS (DF, RKB, RT, GL): 6016

18. TOTAL DEPTH: MD 12,205 TVD 12,198

19. PLUG BACK T.D.: MD TVD

20. IF MULTIPLE COMPLETIONS, HOW MANY? *

21. DEPTH BRIDGE PLUG SET: MD TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
Sonic, Gamma Ray, Resistivity & Neutron Density

23.
WAS WELL CORED? NO ☑ YES ☐ (Submit analysis)
WAS DST RUN? NO ☑ YES ☐ (Submit report)
DIRECTIONAL SURVEY? NO ☐ YES ☑ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
12.25	9.625 N80	40	0	2,232		G 765	11,520	0	
8.75	7" HCP1:	29	0	9,490		G 1,080	1,982	3956	
6.125	5" HCP1:	18	9,332	12,205		G 290	441	9332	

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2.875	9,419	9,411						

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) Wasatch	9,581	12,205	9,576	12,198
(B)				
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)		SIZE	NO. HOLES	PERFORATION STATUS
11,686	12,008	.40	69	Open ☑ Squeezed ☐
11,029	11,278	.40	63	Open ☑ Squeezed ☐
10,769	10,998	.40	69	Open ☑ Squeezed ☐
10,483	10,677	.40	120	Open ☑ Squeezed ☐

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. See attached for further information on #27 & #28.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
11686-12008	5000 gal 15% HCL acid, 3080# 100 mesh, 150120# 30/50 Prem White PRC
11029-11278	5000 gal 15% HCL acid, 3040# 100 mesh, 150370# 30/50 Prem White PRC
10769-10998	5000 gal 15% HCL acid, 3060# 100 mesh, 150770# 30/50 Prem White PRC

29. ENCLOSED ATTACHMENTS: All logs are submitted to UDOGM by vendor.

☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER:

30. WELL STATUS: Prod

(5/2000)

(CONTINUED ON BACK)

RECEIVED: May. 31, 2015

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
4/27/2014	5/3/2014	24		484	420	931	FL

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:
16	2,000	0	45.00	1	1		484	420	931	PROD

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

Sold

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				Upper Green River	4,696
				Middle Green River	6,363
				Lower Green River	7,767
				Wasatch	9,581

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Maria S. Gomez TITLE Principal Regulatory Analyst

SIGNATURE _____ DATE 5/31/2015

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

(5/2000)

RECEIVED: May. 31, 2015

Attachment to Well Completion Report

Form 8 Dated May 31, 2015

Well Name: Adelman 5-9C4

Items #27 and #28 Continued

27. Perforation Record

Interval (Top/Bottom – MD)	Size	No. of Holes	Perf. Status
10483’-10677’	.40	120	Open
10224’-10452’	.40	69	Open
9917’-10195’	.40	69	Open
9619’-9882’	.40	69	Open

28. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
10769’-10998’	5000 gal acid, 3120# 100 mesh, 38520# 30/50 PRC
10483’-10677’	5000 gal acid, 6170# 100 mesh, 71620# 30/50 PRC
10224’-10452’	5000 gal acid, 3020# 100 mesh, 150500# 30/50 PRC
9917’-10195’	5000 gal acid, 2965# 100 mesh, 153300# 30/50 PRC
9619’-9882’	5000 gal acid, 2375# 100 mesh, 149490# 30/50 PRC

RECEIVED: May. 31, 2015

Company:	EP Energy	**Job Number:**		**Calculation Method**	Minimum Curvature
Well:	Adelman 5-9C4	**Mag Decl.:**		**Proposed Azimuth**	0.00
Location:	Duchesne, UT	**Dir Driller:**		**Depth Reference**	KB
Rig:	Precision 406	**MWD Eng:**		**Tie Into:**	Gyro/MWD

Survey Number	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates N/S (ft)		Coordinates E/W (ft)		Closure Distance (ft)	Closure Direction Azimuth	Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
Tie In	**0.00**	**0.00**	**0.00**												
1	100.00	0.78	171.64	100.00	100.00	-0.68	0.68	S	0.10	E	0.68	171.64	0.78	0.78	171.64
2	200.00	0.46	151.05	100.00	199.99	-1.70	1.70	S	0.39	E	1.75	166.97	0.38	-0.32	-20.58
3	300.00	0.40	183.62	100.00	299.99	-2.40	2.40	S	0.57	E	2.47	166.69	0.25	-0.07	32.56
4	400.00	0.56	183.15	100.00	399.98	-3.23	3.23	S	0.52	E	3.28	170.86	0.16	0.16	-0.47
5	500.00	0.42	190.84	100.00	499.98	-4.08	4.08	S	0.42	E	4.10	174.05	0.15	-0.14	7.69
6	600.00	0.30	215.38	100.00	599.98	-4.65	4.65	S	0.20	E	4.65	177.48	0.19	-0.12	24.54
7	700.00	0.33	232.51	100.00	699.98	-5.04	5.04	S	0.17	W	5.04	181.95	0.10	0.03	17.14
8	800.00	0.37	227.46	100.00	799.98	-5.43	5.43	S	0.63	W	5.46	186.66	0.05	0.04	-5.05
9	900.00	0.15	182.62	100.00	899.97	-5.77	5.77	S	0.88	W	5.84	188.63	0.28	-0.22	-44.84
10	1000.00	0.37	180.96	100.00	999.97	-6.23	6.23	S	0.89	W	6.29	188.11	0.22	0.22	-1.66
11	1100.00	0.18	167.38	100.00	1099.97	-6.70	6.70	S	0.86	W	6.76	187.31	0.21	-0.20	-13.57
12	1200.00	0.38	180.34	100.00	1199.97	-7.18	7.18	S	0.83	W	7.23	186.58	0.21	0.21	12.96
13	1300.00	0.40	222.96	100.00	1299.97	-7.77	7.77	S	1.07	W	7.85	187.84	0.29	0.02	42.62
14	1400.00	0.05	301.84	100.00	1399.97	-8.01	8.01	S	1.34	W	8.12	189.52	0.40	-0.36	78.88
15	1500.00	0.25	181.86	100.00	1499.97	-8.21	8.21	S	1.38	W	8.33	189.56	0.28	0.21	-119.98
16	1600.00	0.07	224.37	100.00	1599.97	-8.48	8.48	S	1.44	W	8.60	189.61	0.21	-0.18	42.50
17	1700.00	0.42	102.58	100.00	1699.97	-8.61	8.61	S	1.12	W	8.68	187.42	0.47	0.35	-121.78
18	1800.00	0.25	176.78	100.00	1799.96	-8.90	8.90	S	0.75	W	8.93	184.81	0.43	-0.18	74.20
19	1900.00	0.30	119.25	100.00	1899.96	-9.24	9.24	S	0.51	W	9.26	183.16	0.26	0.05	-57.53
20	2000.00	0.26	123.73	100.00	1999.96	-9.49	9.49	S	0.10	W	9.49	180.60	0.04	-0.04	4.48
21	2119.00	0.35	178.52	119.00	2118.96	-10.01	10.01	S	0.13	E	10.01	179.24	0.25	0.08	46.04
22	2277.00	0.30	206.10	158.00	2276.96	-10.86	10.86	S	0.04	W	10.86	180.20	0.10	-0.03	17.46
23	2373.00	0.70	342.90	96.00	2372.96	-10.53	10.53	S	0.32	W	10.53	181.74	0.98	0.42	142.50
24	2469.00	1.70	23.80	96.00	2468.94	-8.67	8.67	S	0.08	E	8.67	179.46	1.31	1.04	-332.40
25	2565.00	1.70	22.30	96.00	2564.89	-6.04	6.04	S	1.20	E	6.16	168.80	0.05	0.00	-1.56
26	2661.00	1.50	29.80	96.00	2660.86	-3.64	3.64	S	2.36	E	4.34	147.00	0.30	-0.21	7.81
27	2757.00	1.30	11.50	96.00	2756.83	-1.48	1.48	S	3.20	E	3.53	114.79	0.51	-0.21	-19.06
28	2853.00	1.30	22.30	96.00	2852.80	0.60	0.60	N	3.83	E	3.88	81.17	0.25	0.00	11.25
29	2949.00	1.00	25.50	96.00	2948.78	2.36	2.36	N	4.61	E	5.18	62.89	0.32	-0.31	3.33
30	3045.00	1.80	16.20	96.00	3044.75	4.56	4.56	N	5.39	E	7.06	49.74	0.86	0.83	-9.69
31	3141.00	1.60	8.40	96.00	3140.71	7.34	7.34	N	6.01	E	9.48	39.30	0.32	-0.21	-8.13
32	3237.00	1.20	14.50	96.00	3236.68	9.64	9.64	N	6.45	E	11.60	33.81	0.44	-0.42	6.35
33	3333.00	0.90	10.00	96.00	3332.67	11.35	11.35	N	6.84	E	13.25	31.06	0.32	-0.31	-4.69
34	3429.00	1.80	356.20	96.00	3428.64	13.60	13.60	N	6.87	E	15.23	26.79	0.99	0.94	360.63
35	3526.00	1.30	332.20	97.00	3525.60	16.09	16.09	N	6.25	E	17.26	21.23	0.83	-0.52	-24.74

RECEIVED: May. 31, 2015

Company:	EP Energy	**Job Number:**		**Calculation Method**	Minimum Curvature
Well:	Adelman 5-9C4	**Mag Decl.:**		**Proposed Azimuth**	0.00
Location:	Duchesne, UT	**Dir Driller:**		**Depth Reference**	KB
Rig:	Precision 406	**MWD Eng:**		**Tie Into:**	Gyro/MWD

Survey Number	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates N/S (ft)		Coordinates E/W (ft)		Closure Distance (ft)	Closure Direction Azimuth	Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
36	3622.00	1.00	326.30	96.00	3621.59	17.75	17.75	N	5.28	E	18.52	16.56	0.34	-0.31	-6.15
37	3718.00	1.50	353.30	96.00	3717.56	19.70	19.70	N	4.67	E	20.24	13.33	0.79	0.52	28.13
38	3814.00	1.10	349.10	96.00	3813.54	21.85	21.85	N	4.35	E	22.28	11.25	0.43	-0.42	-4.37
39	3911.00	2.10	358.00	97.00	3910.50	24.54	24.54	N	4.11	E	24.88	9.51	1.06	1.03	9.18
40	4007.00	1.80	347.60	96.00	4006.44	27.77	27.77	N	3.72	E	28.02	7.64	0.48	-0.31	-10.83
41	4104.00	1.70	342.00	97.00	4103.40	30.63	30.63	N	2.95	E	30.77	5.51	0.20	-0.10	-5.77
42	4200.00	1.30	331.30	96.00	4199.37	32.94	32.94	N	1.99	E	33.00	3.46	0.51	-0.42	-11.15
43	4296.00	0.70	302.60	96.00	4295.35	34.21	34.21	N	0.97	E	34.22	1.63	0.80	-0.63	-29.90
44	4392.00	1.40	320.80	96.00	4391.33	35.43	35.43	N	0.26	W	35.43	359.58	0.80	0.73	18.96
45	4489.00	0.90	287.30	97.00	4488.32	36.58	36.58	N	1.74	W	36.62	357.28	0.84	-0.52	-34.54
46	4585.00	1.50	331.10	96.00	4584.30	37.90	37.90	N	3.07	W	38.03	355.37	1.10	0.63	45.63
47	4681.00	1.10	308.20	96.00	4680.27	39.57	39.57	N	4.40	W	39.82	353.66	0.68	-0.42	-23.85
48	4775.00	1.60	327.20	94.00	4774.25	41.23	41.23	N	5.82	W	41.64	351.97	0.71	0.53	20.21
49	4871.00	1.10	292.50	96.00	4870.22	42.71	42.71	N	7.39	W	43.35	350.18	0.97	-0.52	-36.15
50	4967.00	1.20	306.70	96.00	4966.20	43.67	43.67	N	9.05	W	44.59	348.29	0.31	0.10	14.79
51	5063.00	1.70	323.10	96.00	5062.17	45.40	45.40	N	10.71	W	46.65	346.72	0.67	0.52	17.08
52	5159.00	0.90	316.20	96.00	5158.15	47.09	47.09	N	12.09	W	48.61	345.60	0.85	-0.83	-7.19
53	5255.00	0.80	270.40	96.00	5254.14	47.64	47.64	N	13.28	W	49.45	344.42	0.70	-0.10	-47.71
54	5350.00	0.90	266.30	95.00	5349.13	47.59	47.59	N	14.69	W	49.81	342.85	0.12	0.11	-4.32
55	5446.00	1.20	227.80	96.00	5445.11	46.87	46.87	N	16.19	W	49.59	340.95	0.78	0.31	-40.10
56	5543.00	1.30	228.10	97.00	5542.09	45.45	45.45	N	17.76	W	48.80	338.66	0.10	0.10	0.31
57	5639.00	1.40	222.00	96.00	5638.06	43.85	43.85	N	19.35	W	47.93	336.19	0.18	0.10	-6.35
58	5735.00	1.30	204.50	96.00	5734.03	41.99	41.99	N	20.59	W	46.77	333.88	0.44	-0.10	-18.23
59	5831.00	1.30	204.90	96.00	5830.01	40.01	40.01	N	21.50	W	45.42	331.75	0.01	0.00	0.42
60	5928.00	1.60	196.20	97.00	5926.98	37.71	37.71	N	22.34	W	43.83	329.36	0.38	0.31	-8.97
61	6024.00	1.30	196.30	96.00	6022.95	35.38	35.38	N	23.02	W	42.21	326.95	0.31	-0.31	0.10
62	6119.00	1.10	204.10	95.00	6117.93	33.51	33.51	N	23.70	W	41.05	324.74	0.27	-0.21	8.21
63	6215.00	1.20	184.70	96.00	6213.91	31.67	31.67	N	24.15	W	39.83	322.67	0.42	0.10	-20.21
64	6310.00	1.60	172.30	95.00	6308.88	29.37	29.37	N	24.06	W	37.96	320.67	0.53	0.42	-13.05
65	6407.00	1.60	179.10	97.00	6405.84	26.67	26.67	N	23.86	W	35.78	318.19	0.20	0.00	7.01
66	6503.00	1.70	178.20	96.00	6501.80	23.91	23.91	N	23.79	W	33.73	315.14	0.11	0.10	-0.94
67	6599.00	1.90	176.40	96.00	6597.75	20.89	20.89	N	23.64	W	31.55	311.47	0.22	0.21	-1.87
68	6695.00	1.90	180.70	96.00	6693.70	17.72	17.72	N	23.56	W	29.48	306.93	0.15	0.00	4.48
69	6792.00	2.10	186.80	97.00	6790.64	14.34	14.34	N	23.79	W	27.78	301.08	0.30	0.21	6.29
70	6887.00	2.10	189.20	95.00	6885.58	10.90	10.90	N	24.28	W	26.61	294.17	0.09	0.00	2.53
71	6984.00	2.20	183.90	97.00	6982.51	7.28	7.28	N	24.69	W	25.74	286.44	0.23	0.10	-5.46
72	7080.00	2.50	184.20	96.00	7078.43	3.36	3.36	N	24.97	W	25.19	277.66	0.31	0.31	0.31

RECEIVED: May. 31, 2015

Company:	EP Energy	**Job Number:**		**Calculation Method**	Minimum Curvature
Well:	Adelman 5-9C4	**Mag Decl.:**		**Proposed Azimuth**	0.00
Location:	Duchesne, UT	**Dir Driller:**		**Depth Reference**	KB
Rig:	Precision 406	**MWD Eng:**		**Tie Into:**	Gyro/MWD

Survey Number	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates N/S (ft)		Coordinates E/W (ft)		Closure Distance (ft)	Closure Direction Azimuth	Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
73	7176.00	2.40	184.80	96.00	7174.34	-0.73	0.73	S	25.29	W	25.30	268.34	0.11	-0.10	0.63
74	7272.00	2.50	190.20	96.00	7270.25	-4.80	4.80	S	25.83	W	26.27	259.48	0.26	0.10	5.62
75	7368.00	2.60	192.30	96.00	7366.16	-8.99	8.99	S	26.66	W	28.14	251.38	0.14	0.10	2.19
76	7464.00	2.80	189.00	96.00	7462.05	-13.43	13.43	S	27.49	W	30.60	243.97	0.26	0.21	-3.44
77	7560.00	2.90	194.00	96.00	7557.93	-18.10	18.10	S	28.45	W	33.72	237.53	0.28	0.10	5.21
78	7656.00	2.80	192.50	96.00	7653.82	-22.75	22.75	S	29.54	W	37.29	232.41	0.13	-0.10	-1.56
79	7752.00	2.80	192.30	96.00	7749.70	-27.33	27.33	S	30.55	W	40.99	228.19	0.01	0.00	-0.21
80	7849.00	2.70	194.80	97.00	7846.59	-31.85	31.85	S	31.64	W	44.89	224.81	0.16	-0.10	2.58
81	7943.00	3.00	198.10	94.00	7940.47	-36.33	36.33	S	32.97	W	49.06	222.22	0.36	0.32	3.51
82	8039.00	3.00	198.30	96.00	8036.34	-41.10	41.10	S	34.54	W	53.69	220.04	0.01	0.00	0.21
83	8136.00	3.20	195.50	97.00	8133.20	-46.12	46.12	S	36.06	W	58.54	218.02	0.26	0.21	-2.89
84	8232.00	3.20	189.50	96.00	8229.05	-51.35	51.35	S	37.22	W	63.41	215.94	0.35	0.00	-6.25
85	8328.00	3.50	189.60	96.00	8324.89	-56.88	56.88	S	38.15	W	68.49	213.85	0.31	0.31	0.10
86	8424.00	3.50	190.50	96.00	8420.71	-62.65	62.65	S	39.17	W	73.89	212.02	0.06	0.00	0.94
87	8520.00	3.50	189.60	96.00	8516.53	-68.42	68.42	S	40.19	W	79.35	210.43	0.06	0.00	-0.94
88	8616.00	3.70	187.10	96.00	8612.34	-74.38	74.38	S	41.06	W	84.96	208.90	0.26	0.21	-2.60
89	8712.00	3.70	187.00	96.00	8708.14	-80.53	80.53	S	41.82	W	90.74	207.45	0.01	0.00	-0.10
90	8809.00	3.90	184.60	97.00	8804.92	-86.92	86.92	S	42.47	W	96.74	206.04	0.26	0.21	-2.47
91	8905.00	3.30	203.50	96.00	8900.74	-92.71	92.71	S	43.83	W	102.55	205.30	1.38	-0.63	19.69
92	9002.00	3.60	199.50	97.00	8997.56	-98.14	98.14	S	45.96	W	108.37	205.10	0.40	0.31	-4.12
93	9098.00	3.30	196.50	96.00	9093.39	-103.63	103.63	S	47.75	W	114.11	204.74	0.36	-0.31	-3.13
94	9194.00	2.30	196.60	96.00	9189.27	-108.13	108.13	S	49.09	W	118.75	204.42	1.04	-1.04	0.10
95	9290.00	1.10	204.60	96.00	9285.23	-110.81	110.81	S	50.02	W	121.58	204.30	1.27	-1.25	8.33
96	9386.00	0.20	316.90	96.00	9381.22	-111.53	111.53	S	50.52	W	122.44	204.37	1.24	-0.94	116.98
97	9464.00	0.60	180.20	78.00	9459.22	-111.84	111.84	S	50.62	W	122.76	204.35	0.97	0.51	-175.26
98	9500.00	0.40	208.46	36.00	9495.22	-112.14	112.14	S	50.68	W	123.06	204.32	0.86	-0.55	78.49
99	9600.00	1.02	201.95	100.00	9595.21	-113.27	113.27	S	51.18	W	124.30	204.31	0.63	0.62	-6.50
100	9700.00	1.18	188.54	100.00	9695.19	-115.12	115.12	S	51.66	W	126.18	204.17	0.30	0.16	-13.41
101	9800.00	1.93	190.67	100.00	9795.16	-117.79	117.79	S	52.13	W	128.81	203.87	0.75	0.75	2.13
102	9900.00	1.98	182.33	100.00	9895.10	-121.17	121.17	S	52.51	W	132.06	203.43	0.29	0.06	-8.35
103	10000.00	2.09	188.50	100.00	9995.04	-124.70	124.70	S	52.85	W	135.43	202.97	0.24	0.10	6.18
104	10100.00	2.14	185.55	100.00	10094.97	-128.35	128.35	S	53.30	W	138.98	202.55	0.12	0.05	-2.96
105	10200.00	2.09	189.70	100.00	10194.90	-132.01	132.01	S	53.79	W	142.55	202.17	0.16	-0.04	4.16
106	10300.00	2.12	185.75	100.00	10294.83	-135.65	135.65	S	54.28	W	146.10	201.81	0.15	0.02	-3.95
107	10400.00	2.45	191.18	100.00	10394.75	-139.58	139.58	S	54.88	W	149.98	201.46	0.40	0.34	5.43
108	10500.00	2.58	186.58	100.00	10494.66	-143.91	143.91	S	55.55	W	154.26	201.11	0.24	0.12	-4.60
109	10600.00	2.45	188.71	100.00	10594.56	-148.26	148.26	S	56.13	W	158.53	200.74	0.16	-0.13	2.13

RECEIVED: May. 31, 2015

Company:	EP Energy	**Job Number:**		**Calculation Method**	Minimum Curvature
Well:	Adelman 5-9C4	**Mag Decl.:**		**Proposed Azimuth**	0.00
Location:	Duchesne, UT	**Dir Driller:**		**Depth Reference**	KB
Rig:	Precision 406	**MWD Eng:**		**Tie Into:**	Gyro/MWD

Survey Number	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates N/S (ft)		Coordinates E/W (ft)		Closure Distance (ft)	Closure Direction Azimuth	Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
110	10700.00	2.42	185.19	100.00	10694.47	-152.47	152.47	S	56.65	W	162.65	200.38	0.15	-0.04	-3.52
111	10800.00	2.47	189.50	100.00	10794.38	-156.69	156.69	S	57.19	W	166.80	200.05	0.19	0.05	4.31
112	10900.00	2.80	191.81	100.00	10894.27	-161.21	161.21	S	58.05	W	171.34	199.80	0.35	0.33	2.31
113	11000.00	2.47	182.30	100.00	10994.17	-165.75	165.75	S	58.63	W	175.81	199.48	0.55	-0.33	-9.51
114	11100.00	2.71	182.13	100.00	11094.07	-170.26	170.26	S	58.81	W	180.13	199.06	0.24	0.24	-0.17
115	11200.00	2.24	181.66	100.00	11193.97	-174.58	174.58	S	58.95	W	184.26	198.66	0.47	-0.47	-0.47
116	11300.00	2.74	180.46	100.00	11293.88	-178.92	178.92	S	59.03	W	188.41	198.26	0.50	0.50	-1.19
117	11400.00	2.83	177.31	100.00	11393.76	-183.78	183.78	S	58.93	W	193.00	197.78	0.18	0.09	-3.15
118	11500.00	2.84	178.18	100.00	11493.64	-188.72	188.72	S	58.74	W	197.65	197.29	0.04	0.01	0.86
119	11600.00	2.85	180.36	100.00	11593.51	-193.68	193.68	S	58.68	W	202.37	196.85	0.11	0.00	2.19
120	11700.00	3.08	176.47	100.00	11693.38	-198.85	198.85	S	58.53	W	207.28	196.40	0.31	0.24	-3.89
121	11800.00	3.23	180.61	100.00	11793.23	-204.35	204.35	S	58.39	W	212.53	195.95	0.27	0.15	4.14
122	11900.00	2.98	176.46	100.00	11893.08	-209.76	209.76	S	58.26	W	217.70	195.52	0.34	-0.25	-4.15
123	12000.00	3.02	178.11	100.00	11992.94	-214.98	214.98	S	58.01	W	222.67	195.10	0.09	0.04	1.65
124	12057.00	3.04	179.80	57.00	12049.86	-217.99	217.99	S	57.96	W	225.56	194.89	0.16	0.04	2.97
125	12205.00	3.04	179.80	148.00	12197.66	-225.84	225.84	S	57.93	W	233.15	194.39	0.00	0.00	0.00

RECEIVED: May. 31, 2015

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: Adelman 5-9C4

2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P.

9. API NUMBER: 43013523970000

3. ADDRESS OF OPERATOR: 1001 Louisiana , Houston, TX, 77002

PHONE NUMBER: 713 997-5138 Ext

9. FIELD and POOL or WILDCAT: ALTAMONT

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1900 FNL 0900 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 09 Township: 03.0S Range: 04.0W Meridian: U

COUNTY: DUCHESNE

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 8/15/2016	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ SPUD REPORT Date of Spud:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	✓ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Please see attached proposed recompletion procedure along with current and post WBD's.

Approved by the
Utah Division of
Oil, Gas and Mining
August 11, 2016

Date:

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Linda Renken	713 997-5138	Sr. Regulatory Analyst
SIGNATURE N/A		**DATE** 8/11/2016

RECEIVED: Aug. 11, 2016

Adelman 5-9 C4 Recom Summary Procedure

- POOH with rods, pump & tubing. Inspect/Repair/Re-furbish as needed. Replace any bad tubing and joints of rods.
- Set 15K CBP for 5" 18# casing @ 9,600'. Dump bail 15' CMT on plug.
- Stage 1:
  - Perforate new UW interval from **9,345' - 9,540'.**
  - Prop Frac Perforations with **110,000** lbs 30/50 prop (w/ **8,000** lbs 100 mesh & **8,000** gals 15% HCl acid) (Stage 1 Recom).
- Stage 2:
  - RIH with 7" CBP & set @ 9,315'.
  - Perforate new LGR interval from **9,270' - 9,314'.**
  - Acidize perforations with w/ **7,000** gals 15% HCl acid (Stage 2 Recom).
- Stage 3:
  - RIH w/ 7" CBP & set @ 9,067'.
  - Perforate new LGR interval from **8,910' - 9,052'**.
  - Acidize perforations with w/ **16,000** gals 15% HCl acid (Stage 3 Recom).
- Stage 4:
  - RIH w/ 7" CBP & set @ 8,623'.
  - Perforate new LGR interval from **8,450' - 8,608'**.
  - Prop Frac Perforations with **100,000** lbs 30/50 prop (w/ **8,000** lbs 100 mesh & **8,000** gals 15% HCl acid) (Stage 4 Recom).
- Clean out well drilling up (3) 7" CBPs leaving 15' cmt on top of 5" CBP @ 9,600'. Top perf BELOW plug @ 9,619'.
- RIH w/ production tubing and rods.
- Clean location and resume production.

RECEIVED: Aug. 11, 2016

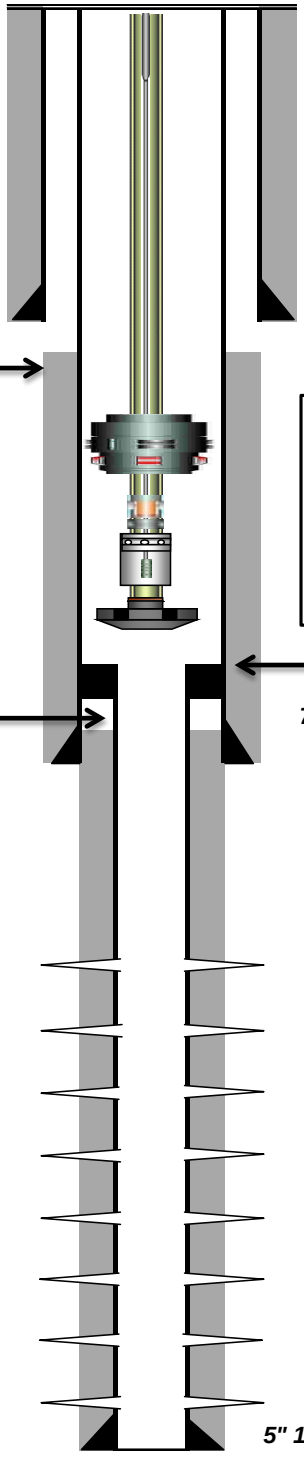
EP ENERGY

Proposed Pumping Wellbore Schematic

Well Name:	Adelman 5-9C4	Last Updated:	6/9/2015
Company Name:	EP Energy	By:	Tomova
Field, County, State:	Altamont, Duchesne, UT	TD:	12,205
Surface Location:	Lat: 40 14' 12.985" N Long: 110 20' 06.349" W	API:	43013523970000
Producing Zone(s):	Upper Wasatch	AFE:	

8.43 ppg KCL substitute (Clay Webb Water) water in the wellbore

296 jts 2-7/8" 6.5# L-80 8rd Tubing



9-5/8" 40# N-80 LTC @ 2232 ft. MD

Estimated TOC at: 3956 ft MD

ROD DETAIL
1-1/2" x 40' Polished Rod
59 (1,475') - 1" EL Rods - slick
40 (1,000') - 1" EL Rods w/ 4 gpr
104 (3,225') - 7/8" EL Rods w/ 4 gpr
117 (2,925') - 3/4" EL Rods w/ 4 gpr
18 (450') - 1 1/2" Sinker "K" Bars
2-1/2" x 1-3/4" x 38' 2stg HVR Insert Pump

Tubing Anchor @ 9,075'
4 jts 2-7/8" 6.5# L-80 8rd Tubing
Seating Nipple @ 9,200'
2' x 2 7/8" Tubing Sub
5 1/2" x 33' PBGA
2 jts 2-7/8" Mud Anchor
5 3/4" No-Go Nipple
EOT @ 9,300'

Top of Liner at: 9,322 ft MD

Liner TOC at: 9332 ft MD

7" 29# HCP-110 LTC @ 9490 ft. MD
Drift ID = 6.059"

Initial Completion Perf Information

Stage #8	**9619 - 9882**	**23' /69 shots**
	5000 gal HCL & 150000 lbs TLC 30/50	
Stage #7	**9917 - 10195**	**23' /69 shots**
	5000 gal HCL & 150000 lbs TLC 30/50	
Stage #6	**10224 - 10452**	**23' /69 shots**
	5000 gal HCL & 150000 lbs TLC 30/50	
Stage #5	**10483 - 10724**	**23' /69 shots**
	5000 gal HCL & 150000 lbs TLC 30/50	
Stage #4	**10769 - 10998**	**23' /69 shots**
	5000 gal HCL & 150000 lbs THS 30/50	
Stage #3	**11029 - 11278**	**21' /63 shots**
	5000 gal HCL & 150000 lbs THS 30/50	
Stage #2	**11351 - 11639**	**23' /69 shots**
	5000 gal HCL & 150000 lbs THS 30/50	
Stage #1	**11686 - 12008**	**23' /69 shots**
	5000 gal HCL & 150000 lbs THS 30/50	

Marker Joint 1 @:	9,852	ft MD
Marker Joint 2 @:	10,192	ft MD
Marker Joint 2 @:	11,194	ft MD
Landing Collar @	12,104	ft MD
Float Collar @	12,154	ft MD
Float Shoe @	12,205	ft MD

5" 18# HCP-110 STL @ 9322 - 12205 ft. MD
Drift ID = 4.151"

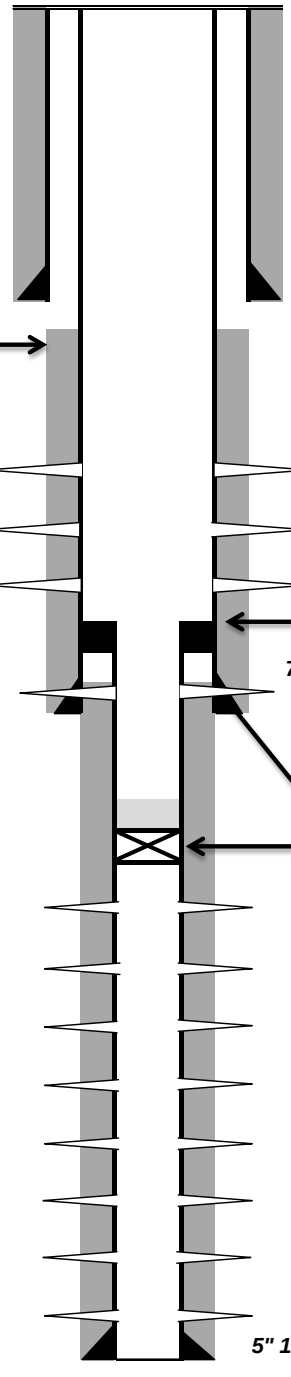
RECEIVED: Aug. 11, 2016

EP ENERGY

Proposed Pumping Wellbore Schematic

Well Name:	Adelman 5-9C4	Last Updated:	8/7/2016
Company Name:	EP Energy	By:	Fondren
Field, County, State:	Altamont, Duchesne, UT	PBTD:	12,104'
Surface Location:	Lat: 40 14' 12.985" N Long: 110 20' 06.349" W	API:	43013523970000
Producing Zone(s):	Upper Wasatch	AFE:	

8.43 ppg KCL substitute (Clay Webb Water) water in the wellbore



9-5/8" 40# N-80 LTC @ 2232 ft. MD

Estimated TOC at: 3956 ft MD

Proposed '16 Recom

Stage #4 8,450' - 8,608' 23' /69 shots
8,000 gal HCL, 8,000 lbs 100 Mesh & 100,000 lbs White Sand
Stage #3 8,910' - 9,052' 23' /69 shots
16,000 gal HCL
Stage #2 9,270' - 9,314' 23' /69 shots
7,0000 gal HCL
Stage #1 9,345' - 9,540' 23' /69 shots
8,000 gal HCL, 8,000 lbs 100 Mesh & 110,000 lbs White Sand

Top of Liner at: 9,322 ft MD

7" 29# HCP-110 LTC @ 9490 ft. MD
Drift ID = 6.059"

Liner TOC at: 9332 ft MD

5" 15K CBP w/ 15 cmt @ 9,600'

Initial Completion Perf Information

Stage #8 **9619 - 9882** **23' /69 shots**
5000 gal HCL & 150000 lbs TLC 30/50
Stage #7 **9917 - 10195** **23' /69 shots**
5000 gal HCL & 150000 lbs TLC 30/50
Stage #6 **10224 - 10452** **23' /69 shots**
5000 gal HCL & 150000 lbs TLC 30/50
Stage #5 **10483 - 10724** **23' /69 shots**
5000 gal HCL & 150000 lbs TLC 30/50
Stage #4 **10769 - 10998** **23' /69 shots**
5000 gal HCL & 150000 lbs THS 30/50
Stage #3 **11029 - 11278** **21' /63 shots**
5000 gal HCL & 150000 lbs THS 30/50
Stage #2 **11351 - 11639** **23' /69 shots**
5000 gal HCL & 150000 lbs THS 30/50
Stage #1 **11686 - 12008** **23' /69 shots**
5000 gal HCL & 150000 lbs THS 30/50

Marker Joint 1 @: 9,852 ft MD
Marker Joint 2 @: 10,192 ft MD
Marker Joint 2 @: 11,194 ft MD

Landing Collar @ 12,104 ft MD
Float Collar @ 12,154 ft MD
Float Shoe @ 12,205 ft MD

5" 18# HCP-110 STL @ 9322 - 12205 ft. MD
Drift ID = 4.151"

RECEIVED: Aug. 11, 2016

Sundry Number: 75129 API Well Number: 43013523970000

Reset Form

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

RECOMPLETION

AMENDED REPORT ☐ (highlight changes)

FORM 8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER:

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

1a. TYPE OF WELL: OIL WELL ☑ GAS WELL ☐ DRY ☐ OTHER

7. UNIT or CA AGREEMENT NAME

b. TYPE OF WORK: NEW WELL ☑ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER

8. WELL NAME and NUMBER: Adelman 5-9C4

2. NAME OF OPERATOR: EP Energy E&P Company, L.P.

9. API NUMBER: 4301352397

3. ADDRESS OF OPERATOR: 1001 Louisiana CITY Houston STATE TX ZIP 77002

PHONE NUMBER: (713) 997-5038

10 FIELD AND POOL, OR WILDCAT: Altamont

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 1900' FNL & 900' FEL
AT TOP PRODUCING INTERVAL REPORTED BELOW: 2013' FNL & 951' FEL
AT TOTAL DEPTH: 2126' FNL & 958' FEL

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENE 9 3S 4W U
U.S.B.& M.

12. COUNTY: Duchesne

13. STATE: UTAH

14. DATE SPUDDED: 3/26/2015

15. DATE T.D. REACHED: 4/8/2015

16. DATE COMPLETED: 5/1/2015 ABANDONED ☐ READY TO PRODUCE ☑

17. ELEVATIONS (DF, RKB, RT, GL): 6016

18. TOTAL DEPTH: MD 12,205 TVD 12,198

19. PLUG BACK T.D.: MD TVD

20. IF MULTIPLE COMPLETIONS, HOW MANY? *

21. DEPTH BRIDGE PLUG SET: MD TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
Sonic, Gamma Ray, Resistivity & Neutron Density

23.
WAS WELL CORED? NO ☑ YES ☐ (Submit analysis)
WAS DST RUN? NO ☑ YES ☐ (Submit report)
DIRECTIONAL SURVEY? NO ☐ YES ☑ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
12.25	9.625	40	0	2,232		G	11,520	0	
8.75	7"	29	0	9,490		G	1,982	3956	
6.125	5"	18	9,332	12,205		G	441	9332	

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2.875	9,419	9,411						

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) Wasatch	9,581	12,205	9,576	12,198
(B)				
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
11,686	.40	69	Open ☑ Squeezed ☐
11,029	.40	63	Open ☑ Squeezed ☐
10,769	.40	69	Open ☑ Squeezed ☐
10,483	.40	120	Open ☑ Squeezed ☐

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
11686-12008	5000 gal 15% HCL acid, 3080# 100 mesh, 150120# 30/50 Prem White PRC
11029-11278	5000 gal 15% HCL acid, 3040# 100 mesh, 150370# 30/50 Prem White PRC
10769-10998	5000 gal 15% HCL acid, 3060# 100 mesh, 150770# 30/50 Prem White PRC

29. ENCLOSED ATTACHMENTS:
Please see Page 3 for #29 Perf Treatment Information

☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER:

30. WELL STATUS:
Prod

(5/2000)

(CONTINUED ON BACK)

RECEIVED: Oct. 07, 2016

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
4/27/2014	5/3/2014	24		327	185	564	Flowing

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:
16	2,000	0	45.00	1	1		327	185	564	Producing

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

Sold

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.

34. FORMATION (Log) MARKERS:

Name	Top (Measured Depth)
Upper Green River	4,696
Middle Green River	6,363
Lower Green River	7,767
Wasatch	9,581

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Maria S. Gomez TITLE Principal Regulatory Analyst

SIGNATURE _____ DATE 5/31/2015

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

(5/2000)

RECEIVED: Oct. 07, 2016

Attachment to Well Completion Report

Form 8 Dated: October 7, 2016

Well Name: Adelman 5-9C4

Items #27 and #28 Continued

27. Perforation Record

Interval (Top/Bottom–MD)	Hole Size	No. of Holes	Perf. Status
8428'-8607'	.46	66	Open
8892'-9031'	.46	51	Open
9255'-9296'	.46	30	Open
9349'-9540'	.46	66	Open

28. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
8428'-8607'	6564 Gals 15% HCL Acid, 6220# 100 Mesh, 98725# 30/50 Sand
8892'-9031'	16523 Gals 15% HCL Acid
9255'-9296'	6564 Gals 15% HCL Acid
9349'-9540'	8190 Gals 15% HCL Acid, 6000# 100 Mesh, 11295# 30/50 Sand

RECEIVED: Oct. 07, 2016

CENTRAL DIVISION

ALTAMONT FIELD
ADELMAN 5-9C4
ADELMAN 5-9C4
RECOMPLETE LAND

Operation Summary Report

RECEIVED: Oct. 07, 2016

1 General

1.1 Customer Information

Company	CENTRAL DIVISION
Representative	
Address	

1.2 Well Information

Well	ADELMAN 5-9C4		
Project	ALTAMONT FIELD	**Site**	ADELMAN 5-9C4
Rig Name/No.		**Event**	RECOMPLETE LAND
Start date	8/19/2016	**End date**	9/6/2016
Spud Date/Time	3/31/2015	**UWI**	ADELMAN 5-9C4
Active datum	KB @6,032.9ft (above Mean Sea Level)		
Afe No./Description	167100/57223 / ADELMAN 5-9C4		

2 Summary

2.1 Operation Summary

Date	Time Start-End		Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (ft)	Operation
8/20/2016	6:00	7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; RIG OPERATIONS
	7:00	9:30	2.50	MIRU	01		P		ROAD RIG FROM HOGGE 3-16C4 TO LOCATION...SLIDE UNIT PUMP 60 BBLS OF HOT 2% KCL WATER DOWN ANNULAS MIRU
	9:30	10:30	1.00	WOR	39		P		L/D POLISH ROD UNSEAT PUMP FLUSH TBG w 60 BBLS OF HOT 2% KCL WATER
	10:30	13:00	2.50	WOR	39		P		TOH w L/D 2-1" RODS 125-1" 101-7/8" RODS L/D 19-3/4" ROD 98-3/4" RODS L/D 18-CBARS L/D PUMP
	13:00	15:20	2.33	WOR	16		P		N/D WELL HEAD N/D AND TEST 5K BOPE
	15:20	17:00	1.67	WOR	53		P		RELEASE 7" TAC AT 9066' SECURE WELL CLOSE BOPE AND LOCK BARRIER1 INSTALL TIW VALVE w NIGHT CAP BARRIER 1 & 2 CLOSE 7" CSG VALVE AND NIGHT CAP BARRIER 1 & 2 OPEN TO SALES SDFN
8/21/2016	6:00	6:00	24.00	WOR	18		P		NO ACTIVITY SDFW
8/22/2016	6:00	6:00	24.00	WOR	18		P		NO ACTIVITY SDFW
8/23/2016	6:00	7:00	1.00	PRDHEQ	28		P		CT HOLD SAFETY MTG ON SCANNING TBG OUT OF HOLE WRITE & REVIEW JSA'S
	7:00	12:00	5.00	PRDHEQ	39		P		RU TBG SCANNERS, SCAN OUT OF HOLE W/ 204 JTS YELLOW BAND, 52 JTS BLUE BAND & 25 JTS RED BAND 2-7/8" EUE L-80 TBG, LD PROD BHA, RDMO TBG SCANNERS
	12:00	15:30	3.50	WLWORK	18		P		MIRU THE PERFORATORS TEST LUBE TO 4800 PSI, RIH W/ 7" GR/JB TO 5" LINER TOP @ 9312', POOH RIH W/ 4" GR/JB & STACK OUT @ 9330' POOH RDMO W.L. (FOUND SCALE IN GR/JB) RDMO W.L.
	15:30	17:00	1.50	PRDHEQ	18		P		WAIT ON MILL & SCRAPPER
	17:00	19:00	2.00	PRDHEQ	39		P		MU & RIH W/ 4-1/8" MILL, 5" SCRAPPER, X OVER, 14 JTS 2-3/8" EUE WORK STRING TBG & 124 JTS 2-7/'8" EUE L-80 TBG, EOT @ 4504', SECURE WELL, WELL BORE FLUID BARRIER 1, SHUT & LOCK PIPE RAMS BARRIER 2, CLOSE & NIGHT CAP CSG VALVES BARRIER 1 & 2, CLOSE & NIGHT CAP TIW VALVE BARRIER 1 & 2, SDFN
8/24/2016	6:00	7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; RIG OPERATIONS
	7:00	9:41	2.68	WOR	39		P		CSIP 0 PSI TSIP 0 PSI CONTINUE TALLY AND TIH w 82 JTS OF 2-7/8" TBG P/U 72-JTS OF 2-7/8" TBG TAG AT 9370' LINER TOP AT 9312'

2.1 Operation Summary (Continued)

Date	Time Start-End		Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (ft)	Operation
	9:41	19:30	9.82	WOR	10		P		R/U POWER SWIVEL R/U PUMP AND LINES ESTABLISH CIRC w 215 BBLS OF 2% KCL WATER C/O TO 9477' FELL THROUGH TIH w 10-JTS TO 9791' P/U 70-JTS OF 2-7/8" TBG TO 12070' BTM AT 12008' TOH L/D 93-JTS OF 2-7/8" TBG STAND BACK 10-JTS TO 9290' SECURE WELL, WELL BORE FLUID BARRIER 1, SHUT & LOCK PIPE RAMS BARRIER 2, CLOSE & NIGHT CAP CSG VALVES BARRIER 1 & 2, CLOSE & NIGHT CAP TIW VALVE BARRIER 1 & 2, SDFN
8/25/2016	6:00	7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; RIG OPERATIONS
	7:00	11:20	4.33	MIRU	01		P		MIRU FRAC EQUIPMENT OFF LOAD ACID ATTEMPT TO TEST PUMP AND LINES FAILED RDMO ACID EQUIPMENT
	11:20	12:00	0.67	RDMO	02		N		WAIT ON NEW ACID EQUIPMENT
	12:00	17:00	5.00	MIRU	01		P		MIRU HALLIBURTON ACID EQUIPMENT REPARE PUMP
	17:00	19:08	2.13	STG01	35		P		PUMP ACID CHEMICAL SQUEEZE TEST PUMP AND LINES TO 7570 PSI OPEN PRESSURE 0 PSI PUMP 75 GALS OF MUTUAL SOLVENT 2 BBLS OF KCL WATER 15000 GALS OF ACID HCL 15% 20 BBLS KCL WATER 55 GALS OF SCALE INHIBITOR FLUSH w 81 BBLS OF 2% KCL ISDP 1325 PSI 5 MIN 765 PSI 10 MIN 500 PSI MAX RATE 5.5 BPM AVE RATE 5.3 BPM MAX PRESSURE 2580 PSI AVE PRESSURE 1800 PSI SECURE WELL CLOSE 10 FRAC VALVE RDMO FRAC EQUIPMENT
	19:08	22:00	2.87	WOR	39		P		OPEN 7" CSG TO FLOW BACK TANK OPEN TBG TO FLOW BACK TANK WELL ON VACUUM R/D 10K VALVE TOH w 283-JTS OF 2-7/8" TBG CHANGE HANDLING TOOLS TOH w 14-JTS OF 2-3/8" TBG L/D MILL AND CSG SCRAPER SECURE WELL CLOSE AND LOCK BOPE BARRIER 1 CLOSE 7" CSG VALVE w NIGHT CAPS BARRIER 1 & 2
8/26/2016	6:00	7:00	1.00	WLWORK	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; WIRELINE OPERATIONS
	7:00	9:00	2.00	WLWORK	26		P		MIRU WIRELINE SET 5" 15K CBP AT 9600' DUMP BAIL 15' CMT PBTD 9585' TOH L/D BAILER...MIRU TOPS FRAC EQUIPMENT
	9:00	14:24	5.40	WOR	16		P		FILL CSG w 215 BBLS OF 2% KCL WATER N/D BOPE N/U INSTALL 2 WAY AND TEST 7" MASTER VALVE 8500 PSI REMOVE 2 WAY TEST 7" CSG TO 8000 PSI AND CHART 30 MIN N/U 7" HCR 7" GOAT HEAD 7" HCR WIRELINE ADAPTER TEST AND CHART TO 9500 PSI
	14:24	17:00	2.60	WLWORK	21		P		P/U AND TEST 7" LUBRICATOR P/U 3-1/8 GUN w 22.7 GM 3JSPF 120 PHASING TIH PERFORATE STG 1 9540' TO 9349' STARTING PRESSURE 0 PSI TOH L/D GUN ENDING PRESSURE 0 PSI ALL PERFORATIONS CORRELATED TO THE CUTTERS CBL/GR/CCL LOG 04/20/15 RUN #1 SECURE WELL CLOSE ALL VALVES BARRIER 1 2 & 3 INSTALL NIGHT CAP BARRIER 4 CLOSE CSG VALVES w NIGHT CAPS BARRIER 1 & 2 SDFN
8/27/2016	6:00	7:00	1.00	STG01	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; FRAC OPERATIONS
	7:00	11:10	4.17	STG01	35		P		STAGE 1; PRESSURE TEST LINES TO 9500 PSI. OPEN WELL. 1274 PSI BRAKE DOWN STG 1 PERFORSTION 9540' TO 9349' AT 4195 PSI, PUMPING 10 BPM TREAT w/ 8000 GAL 15% HCL ACID FR-76 WATER ACID FLUSH STEP DOWN RATE IN 4 STEPS SHUT DOWN FOR 15 MIN ISDP 3527 PSI 5MIN 3325 PSI 10 MIN 3221 PSI 15MIN 3171 TREATED STAGE 1... AS PER PROCEDURE FR WATER SPACER 25# CROSSLINK PAD 25# CROSSLINK 100 MESH 10# LINEAR GEL SWEEP 10# LINEAR GEL .05# W30/50 10# LINEAR GEL 1# W 30/50 20# CROSSLINK 1.5# W 30/50 20# CROSSLINK 2# W30/50 20# CROSSLINK 3# W30/50 STG FLUSH TO TOP PERF...ISDP 3853 PSI. AVG RATE 70 BPM. AVG PSI 4798 PSI. MAX PSI 5516 PSI. TTL PROP 117295# 5 MIN 3575 PSI 10 MIN 3511 PSI TURN WELL OVER TO WIRELINE

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (ft)	Operation
	11:10 13:03	1.88	STG02	21		P		STAGE 2; SET COMPOSITE FRAC PLUG AT 9306' PRESSURE ON WELL 2900 PSI PERFORATE STAGE 2 PERFORATIONS 9296' TO 9255', 10 NET FEET 30 TTL SHOTS W/ 3-1/8" 3 JSPF, 120 DEG PHASING GUNS END PRESSURE 2900 PSI ALL PERFS CORRELATED TO THE CUTTER CBL/GR/CCL LOG RUN #1 4/20/15
	13:03 14:15	1.20	STG02	35		P		ACID STAGE 2; PRESSURE TEST LINES TO 8500 PSI. OPEN WELL. 2860 PSI. BREAK DOWN STAGE 2 PERFORATIONS 9296' TO 9255' AT PSI, PUMPING 19.2 BPM. TTL OF 84 BBLS SHUT DOWN FOR 5MIN 3075 PSI 10 MIN 3030 PSI MIN 15 2965 PSI TREAT w 6000 GAL 15% HCL ACID FLUSH TO BTM PERF + 10 BBLS ISDP 3263 PSI. 5 MIN 3072 PSI. 10 MIN 3020 PSI AVG RATE 36 BPM. AVG PSI 4581 PSI. MAX PSI 7531 PSI.
	14:15 16:15	2.00	STG03	21		P		STAGE 3; SET COMPOSITE FRAC PLUG AT 9046' PRESSURE ON WELL 2900 PSI PERFORATE STAGE 3 PERFORATIONS 9031' TO 8892', 17 NET FEET 51 TTL SHOTS W/ 3-1/8" 3 JSPF, 120 DEG PHASING GUNS END PRESSURE 2900 PSI ALL PERFS CORRELATED TO THE CUTTER CBL/GR/CCL LOG RUN #1 4/20/15
	16:15 16:43	0.47	STG03	35		P		ACID STAGE 3; PRESSURE TEST LINES TO 9500 PSI. OPEN WELL 947 PSI. BREAK DOWN STAGE 3 PERFORATIONS 9031' TO 8892' AT 1942 PSI, PUMPING 8.6 BPM. TTL OF 102 BBLS SHUT DOWN ISDP 1841PSI FG .64 5MIN 1648 PSI 10 MIN 1605 PSI MIN 15 1597 PSI TREAT w 16000 GAL 15% HCL ACID FLUSH TO BTM PERF + 10 BBLS ISDP 1971 PSI. 5 MIN 1725 PSI. 10 MIN 1680 PSI AVG RATE 35 BPM. AVG PSI 2782 PSI. MAX PSI 5358 PSI. TURN OVER TO WIRELINE
	16:43 17:40	0.95	STG04	21		P		STAGE 4; SET COMPOSITE FRAC PLUG AT 8630' PRESSURE ON WELL 1700 PSI PERFORATE STAGE 4 PERFORATIONS 8607' TO 8428', 22 NET FEET 66 TTL SHOTS W/ 3-1/8" 3 JSPF, 120 DEG PHASING GUNS END PRESSURE 1100 PSI ALL PERFS CORRELATED TO THE CUTTER CBL/GR/CCL LOG RUN #1 4/20/15
	17:40 20:25	2.75	STG04	35		P		STAGE 4; PRESSURE TEST LINES TO 9532 PSI. OPEN WELL. 906 PSI BRAKE DOWN STG 4 PERFORSTION 8607' TO 8428' AT 1895 PSI, PUMPING 19 BPM TREAT w/ 8000 GAL 15% HCL ACID FR-76 WATER ACID FLUSH STEP DOWN RATE IN 4 STEPS SHUT DOWN FOR 15 MIN ISDP 1729 PSI FG .64 5MIN 1533 PSI 10 MIN 1460 PSI 15MIN 1322 TREATED STAGE 4... AS PER PROCEDURE FR WATER SPACER 25# CROSSLINK PAD 25# CROSSLINK 100 MESH 10# LINEAR GEL SWEEP 10# LINEAR GEL .05# W30/50 10# LINEAR GEL 1# W 30/50 20# CROSSLINK 1.5# W 30/50 20# CROSSLINK 2# W30/50 20# CROSSLINK 3# W30/50 STG FLUSH TO TOP PERF...ISDP 2080 PSI. AVG RATE 75 BPM. AVG PSI 2225 PSI. MAX PSI 2945 PSI. TTL PROP 98725# 5 MIN 1892 PSI 10 MIN 1750 PSI
	20:25 22:00	1.58	RDMO	02		P		SECURE WELL CLOSE ALL VALVES BARRIER 1 2 & 3 INSTALL NIGHT CAP BARRIER 4 CLOSE CSG VALVES Mw NIGHT CAPS BARRIER 1 & 2 R/D WIRELINE ISOLATE PUMP TRUCKS FROM WELL HEAD CLEAN TRUCKS TO FLOW BACK TANKS
	22:00 23:00	1.00	FB	10		P		TURN WELL OVER TO FLOW BACK WAIT 3 HRS AFTER FRAC OPEN WELL ON A 12/64 CHOKE
	23:00 6:00	7.00	FB	10		P		FLOW BACK WELL 225 BBLS OF WATER 0 BBLS OF OIL 0 GAS 12/64 CHOKE WELL HEAD 675 PSI
8/28/2016	6:00 6:00	24.00	FB	10		P		FLOW BACK WELL 718 BBLS OF WATER 0 BBLS OF OIL 0 GAS 14/64 CHOKE WELL HEAD 325 PSI
8/29/2016	6:00 6:00	24.00	FB	10		P		FLOW BACK WELL 465 BBLS OF WATER 220 BBLS OF OIL 0 GAS 20/64 CHOKE WELL HEAD 250 PSI
8/30/2016	6:00 7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; RIG OPERATIONS

2.1 Operation Summary (Continued)

Date	Time Start-End		Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (ft)	Operation
	7:00	15:30	8.50	WOR	16		P		N/D TOP HCR VALVE AND GOAT HEAD KILL WELL w 130 BBLS OF 10# BRINE WATER N/D BTM HCR VALVE N/U AND TEST 5K BOPE & ANNULAR
	15:30	17:20	1.83	WOR	15		P		WELL STARTED FLOWING KILL WELL w 130 BBLS
	17:20	19:00	1.67	WOR	39		P		OPEN WELL TIH w 6" BIT AND BIT SUB w 200-JTS OF 2-7/8" TBG EOT 6535' SECURE WELL CLOSE AND LOCK BOPE BARRIER 1 CLOSE HYDRILL BARRIER 2 INSTALL TIW VALVE w NIGHT CAP BARRIER 1 & 2 CLOSE 7" CSG w 2 VALVE EACH SIDE BARRIER 1 & 2 SDFN
8/31/2016	6:00	7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; RIG OPERATIONS
	7:00	8:30	1.50	WOR	15		P		CSIP 400 PSI TSIP 300 PSI BLEED OFF WELL KILL TBG w 38 BBLS OF 10# BRINE WATER CONTINUE TIH w 70-JTS TAG 7" PLUG AT 8630'
	8:30	9:00	0.50	WOR	39		P		CONTINUE TIH w 68-JTS TAG 7" PLUG AT 8630'
	9:00	11:00	2.00	WOR	10		P		R/U POWER SWIVEL ESTABLISH CIRC START C/O SAND PUMP STARTED TO LEAK AT DISCHARGE CIRC CLEAN SHUT WELL IN
	11:00	13:00	2.00	WOR	59		N		REPARE PUMP DISCHARGE FLANGE NIPPLE
	13:00	21:00	8.00	WOR	10		P		ESTABLISH CIRC DRILL 7" PLUG AT 8630' CIRC CLEAN HANGE BACK SWIVEL TIH w 10-JTS OF 2-7/8" TBG TAG 8985' P/U POWER SWIVEL CONTINUE DRILL PLUG PARTS TAG 2ND PLUG AT 9046' CIRC CLEAN KILL TBG w 20 BBLS OF 10# BRINE WATER TOH ABOVE PERFS w 42-JTS OF 2-7/8" TBG EOT 8302' SECURE WELL CLOSE AND LOCK BOPE BARRIER 1 CLOSE HYDRILL BARRIER 2 INSTALL TIW VALVE w NIGHT CAP BARRIER 1 & 2 CLOSE 7" CSG w 2 VALVE EACH SIDE BARRIER 1 & 2 SDFN
9/1/2016	6:00	7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; RIG OPERATIONS
	7:00	14:30	7.50	WOR	10		P		CSIP 150 PSI TSIP 0 PSI TIH 42-JTS OF 2-7/8" TBG R/U POWER SWIVEL ESTABLISH CIRC DRILL 2ND PLUG AT 9046' CHASE PLUG PARTS TO 9306' AND DRILL 3RD PLUG C/O TO LINER TOP AT 9312' CIRC CLEAN KILL TBG R/D POWER SWIVEL
	14:30	17:30	3.00	WOR	39		P		TOH W 148- JTS TO 4074' KILL WELL WITH 130 BBLS OF 10# BRINE WATER CONTINUE TOH 126-JTS OF 2-7/8" TBG L/D 6" BIT
	17:30	19:00	1.50	WOR	39		P		P/U 4-1/8" BIT AND BIT SUB TIH w 14-JTS OF 2-3/8" TBG CHANGE HANDLING TOOLS CONTINUE w 128-JTS OF 2-7/8" TBG ESO 4525' SECURE WELL CLOSE AND LOCK BOPE BARRIER 1 CLOSE HYDRILL BARRIER 2 INSTALL TIW VALVE w NIGHT CAP BARRIER 1 & 2 CLOSE 7" CSG w 2 VALVE EACH SIDE BARRIER 1 & 2 SDFN
9/2/2016	6:00	7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; RIG OPERATIONS
	7:00	9:40	2.67	WOR	39		P		CSIP 550 PSI TSIP 450 PSI KILL WELL CONTINUE TIH w 148-JTS OF 2-7/8" TBG
	9:40	15:55	6.25	WOR	10		P		R/U POWER SWIVEL ESTABLISH CIRC C/O TO PBTD 9585' CIRC WELL CLEAN R/D POWER SWIVEL
	15:55	18:00	2.08	WOR	39		P		TOH L/D 32- JTS OF 2-7/8" STAND BACK 126-JTS OF 2-7/8" TBG EOT 4560' SECURE WELL CLOSE AND LOCK BOPE BARRIER 1 CLOSE HYDRILL BARRIER 2 INSTALL TIW VALVE w NIGHT CAP BARRIER 1 & 2 CLOSE 7" CSG w 2 VALVE EACH SIDE BARRIER 1 & 2 SDFN
9/3/2016	6:00	7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; RIG OPERATIONS
	7:00	9:28	2.47	WOR	15		P		CSIP 600 PSI TSIP 400 PSI KILL WELL CIRC OOUT OIL AND GAS w 160 BBLS OF 2% KCL PUMP 160 BBLS OF 10# BRINE WATER
	9:28	10:30	1.03	WOR	39		P		TOH w 126-JTS OF 2-7/8" TBG L/D 4-1/8" MILL AND BIT SUB

RECEIVED: Oct. 07, 2016

2.1 Operation Summary (Continued)

Date	Time Start-End		Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (ft)	Operation
	10:30	12:03	1.55	WOR	39		P		P/U AND TIH w 5-3/4" NO-GO SOLID 2-JTS OF 2-7/8" TBG 5-1/2" PBGA 4' X 2-7/8" TBG SUB MECH PSN 2-7/8" X 2-1/4" X 40' PUMP BARREL 4-JTS OF 2-7/8" TBG 7" TAC 248-JTS OF 2-7/8" TBG
	12:03	15:12	3.15	WOR	16		P		KILL WELL w 160 BBLS OF 10# BRINE WATER INSTALL 2' X 2-7/8" TBG SUB AND 4' PERFORATED SUB SET 7" TAC AT 8111 MECH PSN 8287' EOT 8392' LAND TBG ON HANGER w BPV N/D HYDRILL N/D BOPE N/D 7" MASTER VALVE PU TO PULL TBG SUB WELL FLOWING
	15:12	16:30	1.30	WOR	16		P		N/U BOPE N/U HYDRILL TEST TO 2000 PSI GOOD INSTALL TIW VALVE w NIGHT CAP BARRIER 1 & 2 LANDED ON HANGER BARRIER 1 CLOSE BOPE AND LOCK BARRIER 2 CLOSE HYDRLL BARRIER 3
	16:30	6:00	13.50	FB	17		P		OPEN WELL ON A 36/64 CHOCK TURN WELL OVER TO FLOW BACK WELL WOULD NOT FLOW THROUGH PERFORATED SUB MONITOR WELL
9/4/2016	6:00	6:00	24.00	FB	17		P		WELL TRYING TO FLOW MONITOR WELL
9/5/2016	6:00	6:00	24.00	FB	17		P		MADE LITTLE TO NO FLUID
9/6/2016	6:00	6:00	24.00	FB	17		P		MADE NO FLUID
9/7/2016	6:00	7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; RIG OPERATIONS
	7:00	10:30	3.50	WOR	16		P		R/U LINE OFF WELL TO CELLER WELL FLOWING THROUGH PERFORATED SUB PUMP 100 BBLS OF 10# BRINE WATER DOWN WELL VERIFY PRESSURE ON CSG WELL DEAD N/D HYDRILL N/D BOPE REMOVE PERFORATED SUB LAND TBG w 25K TENSTION N/U WELL HEAD INSTALL CAP STRING
	10:30	12:00	1.50	WOR	15		P		CHANGE HANDLING TOOLS FLUSH TBG w ROD CHEMICALS ATTEMPT TO DROP STANDING VALVE TBG PRESSURE 500 PSI KILL TBG w 50 BBLS OF BRINE WATER DROP STANDING VALVE AND CHASE w 48 BBLS PF 10# BRINE WATER
	12:00	15:30	3.50	WOR	39		P		P/U 2-1/4" PLUNGER 1-1/2" POLISH ROD TIH w 15-1-1/2" CBARS 98-3/4" RODS 104-7/8" P/U 18-NEW 7/8" TIH w 25-1" RODS TOH L/D 32-1" RODS 94-1" RODS SPACE OUT PUMP w 2',4',6', X 1" PONY RODS FILL TBG w 0 BBLS OF 2% KCL WATER TEST AND STROKE TEST TO 1000 PSI GOOD
	15:30	18:30	3.00	RDMO	02		P		RDMO SLIDE ROTOFLEX CHECK FOR TAG NO TAG CLEAN LOCATION TURN WELL OVER TO PRODUCTION

RECEIVED: Oct. 07, 2016